



EQUITABLE RESOURCES  
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

March 30, 1994

-- VIA FEDERAL EXPRESS --

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

Gentlemen:

RE: Balcron Monument Federal #33-11J  
NW SE Section 11, T9S, R16E  
Duchesne County, Utah

Enclosed is our Application for Permit to Drill the referenced well.

As operator, we hereby request that the status of this well be held tight for the maximum period allowed by Federal and State regulations.

Sincerely,

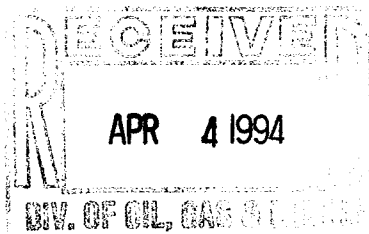
*Bobbie Schuman*

Bobbie Schuman  
Regulatory and Environmental Specialist

/hs

Enclosure

cc: Utah Division of Oil, Gas and Mining



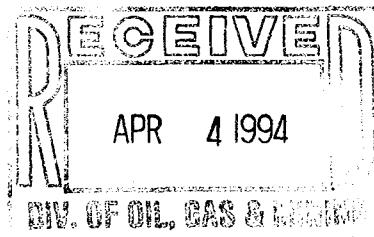
STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**CONFIDENTIAL**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK			5. Lease Designation and Serial No. Federal # U-096550											
6. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			6. If Indian, Allotted or Tribe Name n/a											
7. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/>			7. Unit Agreement Name Jonah Unit											
8. Name of Operator Equitable Resources Energy Company, Balcron Oil Division			8. Firm or Lease Name Balcron Monument Federal											
9. Address of Operator P.O. Box 21017; Billings, MT 59104			9. Well No. #33-11J											
10. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NW SE Sec. 11, T9S, R16E 1970.9' FSL, 2031.5' FEL			10. Field and Pool, or Wildcat Monument Butte/Green River											
11. Distance in miles and direction from nearest town or post office* From Myton, Utah, approximately 16 miles southwest.			11. 00, Sec., T., R., M., or Bk. and Survey or Area NW SE 11, T9S, R16E											
12. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest orig. line, if any)			12. No. of acres in lease											
13. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.			13. No. of acres assigned to this well											
14. Elevations (Show whether DF, RT, GR, etc.) GL 5608.2'			14. Rotary or cable tools Rotary											
15. PROPOSED CASING AND CEMENTING PROGRAM			15. Approx. date work will start* May 1, 1994											
<table border="1"> <thead> <tr> <th>Size of Hole</th> <th>Size of Casing</th> <th>Weight per Foot</th> <th>Setting Depth</th> <th>Quantity of Cement</th> </tr> </thead> <tbody> <tr> <td colspan="5">See attached.</td> </tr> </tbody> </table>					Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement	See attached.				
Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement										
See attached.														

Operator plans to drill this well in accordance with the attached Federal APD.

~~This is a RE DRILL of the former Walton Federal #3.~~



\* ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

I hereby certify that this report is true and complete to the best of my knowledge.

Signature: Bobbie Schuman

Title: Regulatory and Environmental Specialist

APPROVED BY THE STATE

(This space for Federal or State office use)

OF UTAH DIVISION OF  
OIL, GAS, AND MINING

API NO. 43-013-31451

Approval Date

DATE: 5-9-94

Approved by: \_\_\_\_\_  
Conditions of approval, if any:

Title: \_\_\_\_\_

BY: [Signature]

WELL SPACING R649-2-3

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Equitable Resources Energy Company, Balcron Oil Division

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

NW SE Section 11, T9S, R16E

1970.9' FSL, 2031.5' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

From Myton, Utah, approximately 16 miles southwest

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drilg. unit line, if any)

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

5,800'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL 5608.2'

22. APPROX. DATE WORK WILL START\*

May 1, 1994

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached				

See attached for listing for EXHIBITS.

This is a RE DRILL of the former Walton Federal #3.

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*Bobbie Schuman*  
Bobbie Schuman

TITLE

Regulatory and Environmental,  
Specialist

DATE

*March 30, 1994*

(This space for Federal or State office use)

PERMIT NO.

*43-013-31451*

APPROVAL DATE

APPROVED BY

TITLE

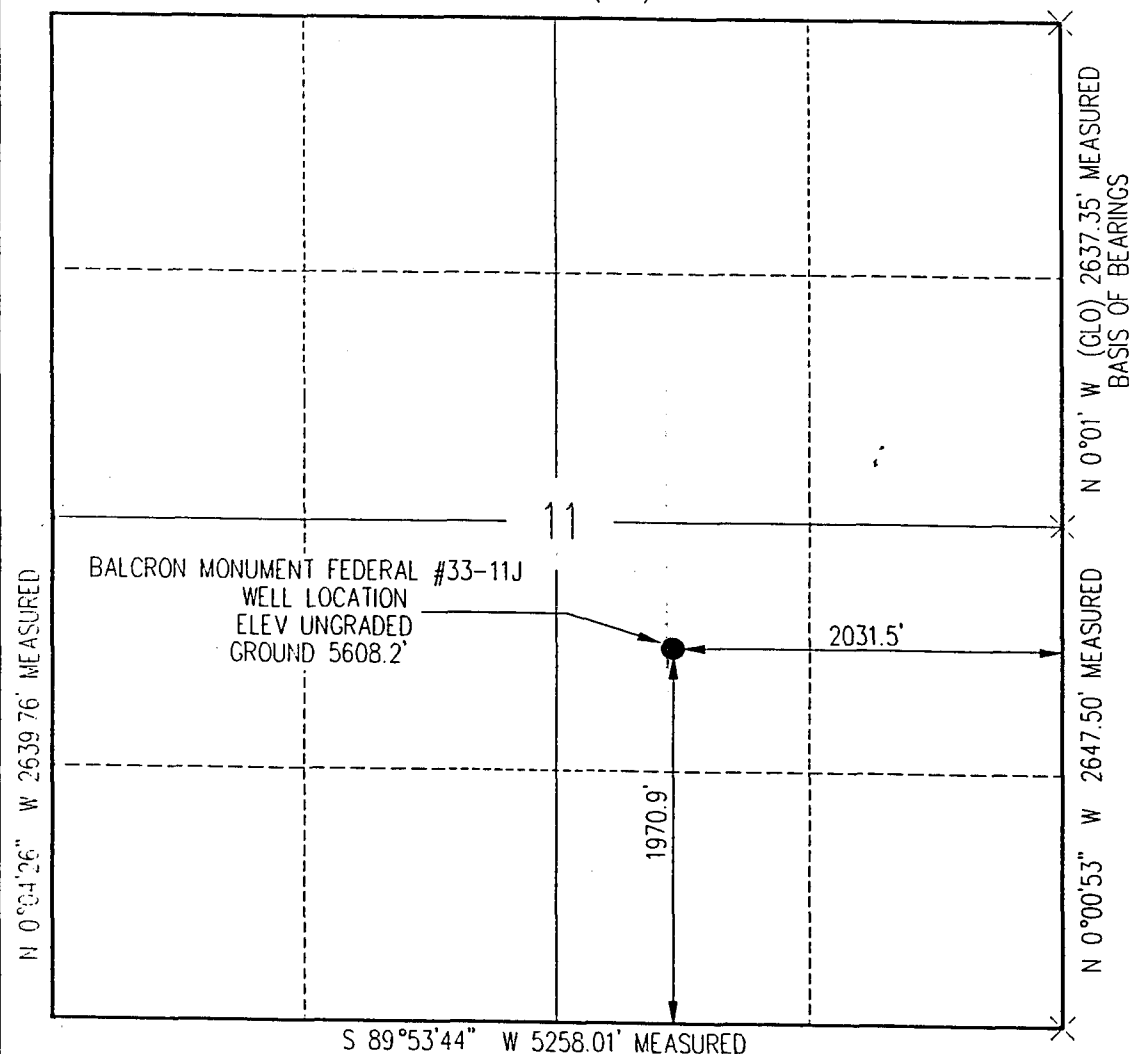
DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

T9S, R16E, S.L.B. &amp; M.

S 89°56' W (GLO)



X = SECTION CORNERS LOCATED

BASIS OF BEARINGS; G.L.O. PLAT 1911

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

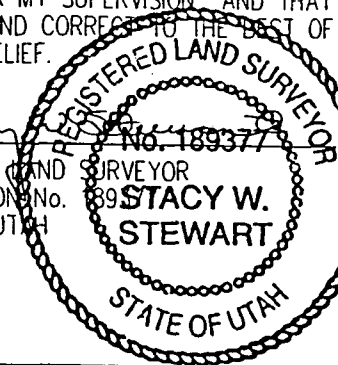
EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FEDERAL  
#33-11J, LOCATED AS SHOWN IN THE NW 1/4  
SE 1/4 OF SECTION 11, T9S, R16E, S.L.B. & M,  
DUCESNE COUNTY UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION, AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION No. 189377  
STATE OF UTAH



WEATHER: STORMY & COLD  
DATE: 2/10/94  
SCALE: 1" = 1000'  
SURVEYED BY: SS CB  
FILE: MF 33-11J





EXHIBITS FOR MONUMENT BUTTE RE-DRILL WELL:

- A PROPOSED DRILLING PROGRAM
- B PROPOSED SURFACE USE PROGRAM
- C GEOLOGIC PROGNOSIS
- D DRILLING PROGRAM/CASING DESIGN/WELLBORE DIAGRAM
- E HAZMAT DECLARATION
- F EXISTING & PLANNED ACCESS ROADS (MAPS A & B)
- G WELLSITE LAYOUT
- H BOPE SCHEMATIC
- I EXISTING ROADS (MAP C)
- J PROPOSED PRODUCTION FACILITY DIAGRAM
- K SURVEY PLAT
- L LAYOUT/CUT & FILL DIAGRAM

3/29/94

EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Balcron Monument Federal #33-11J  
NW SE Section 11-T9S-R16E  
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

2. ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.25, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- E. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following attachment:

Drilling Program/Casing Design (EXHIBIT "D")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon as possible after the BLM approves this APD.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

**SURFACE USE PROGRAM**

EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Balcron Monument Federal #33-11J  
NW SE Section 11, T9S, R16E  
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162.3-1 (d):

1. **EXISTING ROADS:**

- a. From Myton, Utah, take Highway #40 west out of town 1.6 miles to the Sand Wash road. Go south on the Sand Wash road for 10.0 miles. Turn right onto the Monument Butte Gas Plant road. Turn right and go 3 miles to a road intersection, turn left and proceed 1.1 miles to a road intersection. Turn left and continue 0.2 miles to a road intersection, turn left and proceed 0.5 miles to location which is the south side of the existing road.
- b. Existing roadways need no improvements for these drilling operations.
- c. All existing roads used by these drilling operations will be maintained in the same or better condition as were existing prior to entry.
- d. See EXHIBIT "F" Maps A and B for access route.

2. **PLANNED ACCESS ROADS:** See EXHIBIT "F" Maps A & B

- a. This is a re-drill of a previous well. No new access roads need to be constructed.
- b. Road maintenance: During both the completion and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and will be maintained in accordance with the original construction standards. Any drainage ditches and culverts will be kept clear and free-flowing, and will also be maintained in accordance with original construction standards. The access road right-of-way will be kept free of trash during operations.
- c. During initial completion and subsequent operations, all travel will be confined to location and access routes.
- d. All access roads and surface disturbing activities will conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).

- e. If a right-of-way is required this APD shall be considered as application for such right-of-way.

3. LOCATION OF EXISTING WELLS:

See EXHIBIT "I" Map C.

4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

- a. Existing: See Map C (EXHIBIT "I")
- b. New facilities: All production facilities will be located on the disturbed portion of the wellpad and at a minimum of 25' from the toe of the backslope or toe of the fill slope.
- c. The production facilities will consist primarily of a pumping unit, two oil tanks, and one water tank. A diagram showing the proposed production facility layout is attached. See EXHIBIT "J".
- d. All above-ground facilities will be painted earthtone color Desert Brown #10Y/R in accordance with the Munsell Soil Color chart within six months of the well completion unless prior written approval to proceed with another alternative has been granted via Sundry Notice.
- e. A dike will be constructed completely around those production facilities which contain fluids. These dikes will be constructed of compacted subsoil, be impervious, and will hold 100% of the capacity of the largest tank.
- f. Reclamation of disturbed areas no longer needed for operation will be accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.
- g. Approval for any proposed pipelines will be submitted to the authorized officer by sundry notice for approval.

5. LOCATION AND TYPE OF WATER SUPPLY:

- a. Water to be used for the completion of this well will be hauled by truck over the roads described in this Surface Use Program from a spring owned by Joe Shields of Myton, Utah.
- b. No water well will be drilled on this location.

6. CONSTRUCTION ROAD/LOCATION MATERIALS:

- a. No construction materials are needed for this re-drill. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit

over existing access roads to the area. No special access other than for pipeline construction will be needed.

- b. All construction materials for this location site and access road shall be borrowed material accumulated during the reconstruction of the site and road. In the event that additional construction material is needed, appropriate actions will be taken to acquire it from private sources.
- c. All surface disturbance is on BLM lands and reasonable precautions will be taken to protect all lands.

7. METHODS FOR HANDLING WASTE MATERIALS AND DISPOSAL:

- a. Garbage will be stored in a dumpster and disposed of according to local and state regulations, at an approved facility. Disposal will not be allowed on location. No trash will be disposed of in the reserve pit.
- b. Fluids produced during the completion operation will be collected in test tanks. Any spills of oil, gas, salt water or other noxious fluids will be cleaned up and hauled to an approved disposal site. Burning will not be allowed.
- c. The reserve pit will be lined. If a plastic nylon reinforced liner is used, it will be torn and perforated before backfilling of the reserve pit.
- d. Saltwater or testing tanks will be located and/or diked so that any spilled fluids will flow into the reserve pit. Saltwater tanks will not be placed on topsoil stockpiles.
- e. Any produced water will be contained on site for a period not to exceed 90 days.
- f. Sewage will be disposed of according to county and state requirements. Sealed chemical portable toilets will be on location during these drilling operations. Waste and chemicals will not be disposed of on location.
- g. Cuttings will be deposited in the reserve pit.

8. ANCILLARY FACILITIES:

None anticipated.

9. LOCATION SITE LAYOUT:

- a. The proposed location site and elevation plat is shown on EXHIBIT "K".

- b. The drill pad layout, showing elevations, orientation, and access to the pad is shown on EXHIBIT "L".
- c. The drilling rig facilities layout is shown on EXHIBIT "G". No permanent living facilities are planned. There will be two or three trailers on location during drilling operations.
- d. The reserve pit and the blooie pit will be constructed as a combination pit capable of holding 12,000 bbls of fluid. The size of the pit will be approximately equivalent to four times the TD hole volume. The blooie pit might be used for testing, but only after the drilling is completed and the drilling equipment and personnel are off the location.
- e. The reserve pit will be located on the south side of the location.
- f. Flare pit will be located downwind of the prevailing wind directions SE near corner #4 a minimum of 100' from the wellhead and 30' from the reserve pit fence.
- g. Stockpiled topsoil (first 6 inches) will be stored on the SE side near corner #4.
- h. Access to the wellpad will be from the NW between corners #2 and #3.
- i. All pits will be fenced according to the following minimum standards:
  - a. 39-inch net wire will be used with at least one strand of barbed wire on top of the net wire unless pipe or some type of reinforcement rod is attached to the top of the entire fence.
  - b. The net wire shall be no more than 2 inches above the ground. If barbed wire it shall be 3 inches above the net wire. Total height of fence will be at least 42 inches.
  - c. Corner posts will be cemented and/or braced in such a manner to keep the fence tight at all times. Standard steel, wood, or pipe posts will be used between the cornerbraces. Maximum distance between any two posts will be no greater than 16'.
  - d. All wire will be stretched before it is attached to the corner posts.

The reserve pit will be fenced on three sides during drilling operations and on the fourth side when the rig moves off locations. Pits will be fenced and maintained until clean-up.

10. PLANS FOR RECLAMATION OF LOCATION SITE:

The BLM will be contacted prior to commencement of any reclamation operations.

Producing location:

- a. Immediately upon well completion, the location and surrounding areas will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.
- b. Immediately upon well completion, any hydrocarbons in the pit will be removed in accordance with 43 CFR 3162.7-1.
- c. If a plastic nylon reinforced liner is used, it will be torn and perforated before backfilling of the reserve pit.
- d. The reserve pit and that portion of the location not needed for production facilities or operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion. Before any dirt work takes place, the reserve pit will have all fluids and hydrocarbons removed and all trash will be removed.

Dry hole/abandoned location:

At such time as the well is plugged and abandoned, operator will submit a subsequent report of abandonment and BLM will attach the appropriate surface rehabilitation conditions of approval.

11. SURFACE OWNERSHIP:

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

12. OTHER INFORMATION:

- a. Since this is a previously-disturbed location, the Vernal Bureau of Land Management has determined it is not necessary to conduct archeological or paleontological surveys.
- b. If unexpected cultural resources are observed during construction or reclamation operations, Equitable Resources Energy Company's Balcron Oil division will suspend operations in the vicinity of the discovery and immediately report the finding to the BLM District Office.
- c. If a silt catchment dam will be necessary on this location, this will be covered by the Bureau of Land Management in the Conditions of Approval.
- d. Operator will have on site a copy of the Surface Use Program and a copy of the supplemental conditions.



- e. Drilling operations will be conducted in accordance with the Bureau of Land Management conditions of approval when received.
- f. This is a re-drill of a dry hole. The existing dry hole marker will be removed. The casing will be cut off at least 3' below ground level. A metal plate with the well identity and location inscribed on it will be welded on top of the old wellbore.

13. OPERATOR'S REPRESENTATIVES:

Balcron Oil, a division of Equitable Resources Energy Company  
1601 Lewis Avenue  
P.O. Box 21017  
Billings, Montana 59104  
(8:00 a.m. to 5:00 p.m.)  
(406) 259-7860  
FAX: (406) 245-1361

Dave McCoskery, Drilling Engineer      Home: (406) 248-3864

Dale Griffin, Operations Supervisor      Mobile: (801) 828-7291

14. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Balcron Oil, a division of Equitable Resources Energy Company, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

March 30, 1994  
Date

Bobbie Schuman  
Bobbie Schuman  
Regulatory and Environmental  
Specialist  
Equitable Resources Energy  
Company, BALCRON OIL DIVISION

3/30/94  
/rs

## EXHIBIT "C"

[illegible]

Samples		DST,s	Wellsite Geologist	
50' FROM 1500' TO 3950'		DST #1	NONE	Name: _____
10' FROM 3950' TO TD		DST #2	_____	From: _____ to: _____
_____		DST #3	_____	Address: _____
_____		DST #4	_____	_____
				Phone # _____ wk. _____
				_____ hm.
				Fax # _____
Logs		Cores		
DLL FROM SURF CSG TO TD		Core #1	R-5 SAND 30'	
LDT/CNL FROM 3500' TO TD		Core #2	G-4 SAND 30'	
_____		Core #3	_____	Mud Logger/Hot Wire
_____		Core #4	_____	Company: _____
				Required: (Yes/No) <u>YES</u>
				Type: <u>TWO MAN</u>
				Logger: _____
				Phone # _____
				Fax # _____
Comments: _____				
_____				
_____				
Report To:	1st Name: <u>DAVE BICKERSTAFF</u>	Phone #	<u>(406) 259-7860</u>	wk. <u>245-2261</u> hm. _____
	2nd Name: <u>KEVEN REINSCHMIDT</u>	Phone #	<u>"</u>	wk. <u>248-7026</u> hm. _____
Prepared By:	<u>K. K. REINSCHMIDT</u>	Phone #	<u>2/7/94</u>	wk. _____ hm. _____

Equitable Resources Energy Company  
Balcron Oil Division

DRILLING PROGRAM

WELL NAME: Monument Federal #33-11J PROSPECT/FIELD: Jonah Unit  
LOCATION: Sec. 11 Twn. 9S Rge. 16E  
COUNTY: Duchesne STATE: Utah

TOTAL DEPTH: 5800

HOLE SIZE INTERVAL

12 1/4" 0 to 260'  
7 7/8" 260 to T.D.

CASING	INTERVAL		CASING		
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0	260	8 5/8"	24 #/Ft	J-55
Production Casing	0	T.D.	5 1/2"	15.50#/Ft	J-55

(All Casing will be new, ST&C)

CEMENT PROGRAM

Surface 150 sacks 75% Class "G" 25% Poz with 2% CaCl and 1/4 #/Sk Flocele.  
(Cement will be circulated to surface.)

Production 250 sacks Thifty Lite and 400 sacks 50-50 Poz mix.

PRELIMINARY  
DRILLING FLUID PROGRAM

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and air mist	0	260	N.A.	N.A.	N.A.
Air/Air Mist/KCl Water	260	T.D.	8.7-8.9	N.A.	N.A.

depending on the drilling contractor either:

- Drilling will be with air from surface to as deep as hole conditions allow. 2% KCl fluid will be used for the remainder of the hole.
- Drilling will be done using 2% KCl water and gel.

COMMENTS

- No cores or DST's are planned.

BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: Monument Fed. #33-11
Project ID: 690602U0111A	Location: Duchesne/Utah

Design Parameters:

Mud weight ( 8.60 ppg) : 0.447 psi/ft  
 Shut in surface pressure : 2011 psi  
 Internal gradient (burst) : 0.100 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Body Yield : 1.50 (B)  
 Overpull : 0 lbs.

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost	
1	5,800	5-1/2"	15.50	K-55	ST&C	5,800	4.825		
	Collapse Load Strgth S.F. (psi) (psi)			Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth S.F. (kips) (kips)		
1	2591	4040	1.559	2591	4810	1.86	89.90	222	2.47 J

Prepared by : McCoskery, Billings, MT  
 Date : 03-09-1994  
 Remarks :

Redrill

Minimum segment length for the 5,800 foot well is 1,500 feet.

The mud gradient and bottom hole pressures (for burst) are 0.447 psi/ft and 2,591 psi, respectively.

**NOTE:** The design factors used in this casing string design are as shown above. As a general guide-line, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1990 pricing model. (Version 1.0G)

The Shamrock Oil & Gas Corp.  
Walton Federal #3  
2080' FSL x 1974' FEL  
Sec. 11 Twn. 9S Rge. 16E  
Duchesne/Utah

Balcron Monument Federal #33-11J  
Re-Entry

Hole Size: 12 1/4"

9 5/8" set @ 230' KB  
Cemented with 200 SKS

Spud Date: June 19, 1964

P&A Date: Feb. 22, 1974

Hole Size: 7 7/8"

5 1/2", 15.50 #/Ft, J-55  
Set at 5220  
Cemented with 125 SKS

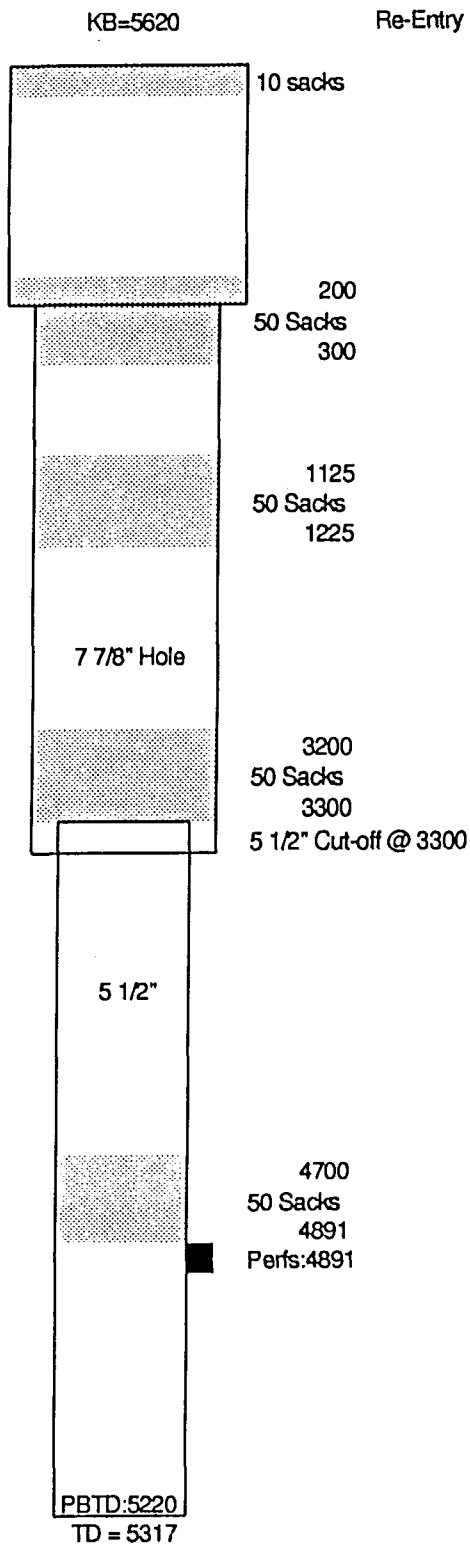


EXHIBIT E

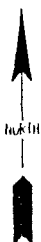
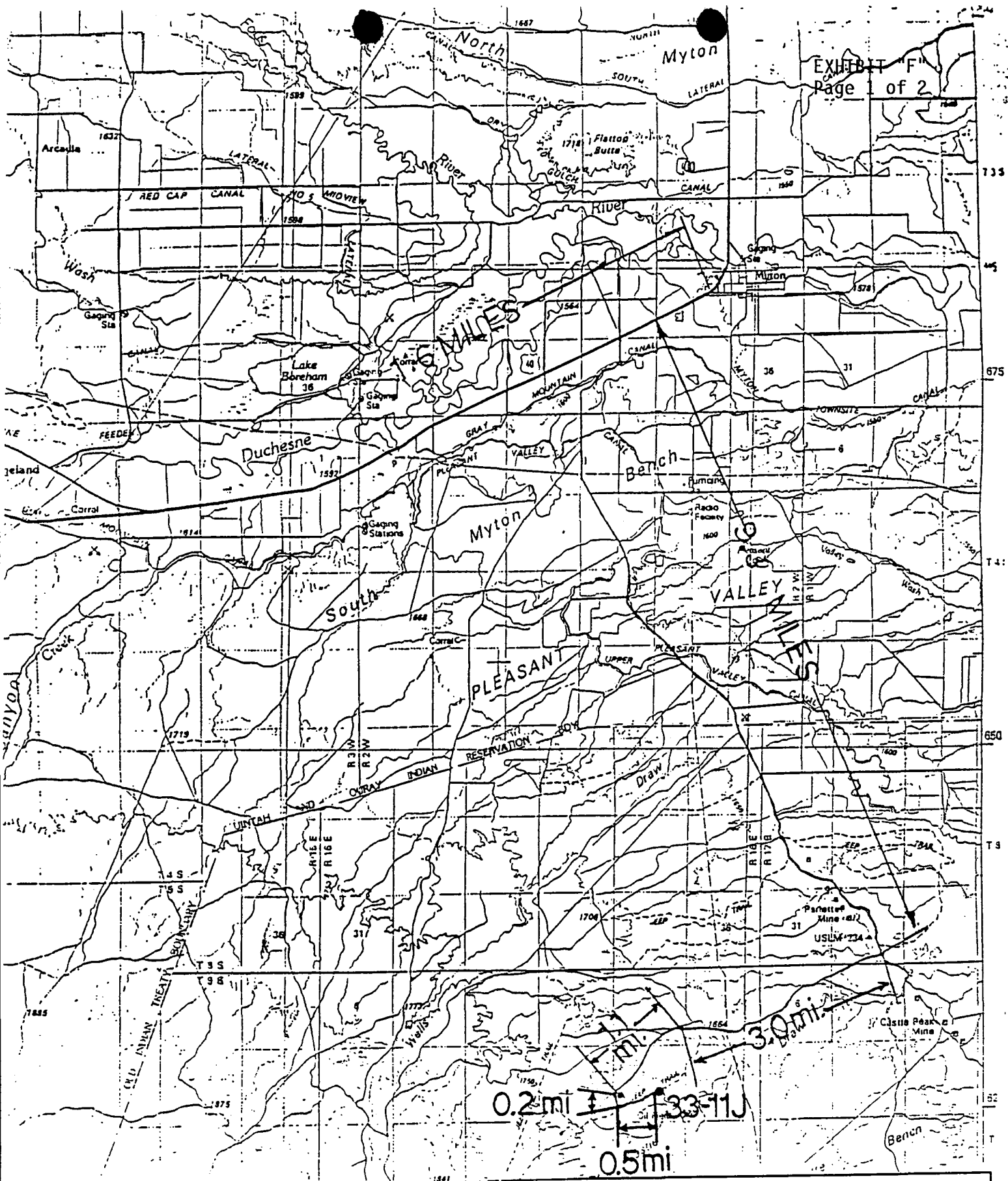
- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

We anticipate that none of the hazardous chemicals in quantities of 10,000 pounds or more will be associated with these operations.

- B. Extremely hazardous substances threshold quantities (per Howard Cleavinger 11/30/93) of which will be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

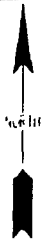
We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

12/1/93  
Revised 12/7/93  
/rs



EQUITABLE RESOURCES ENERGY CO.  
MONUMENT FEDERAL #53-110  
MAP "A"

**TRI-STATE**  
**LAND SURVEYING, INC.**  
58 WEST 1200 NORTH, VERNAL, UTAH 84052  
801-781-2501



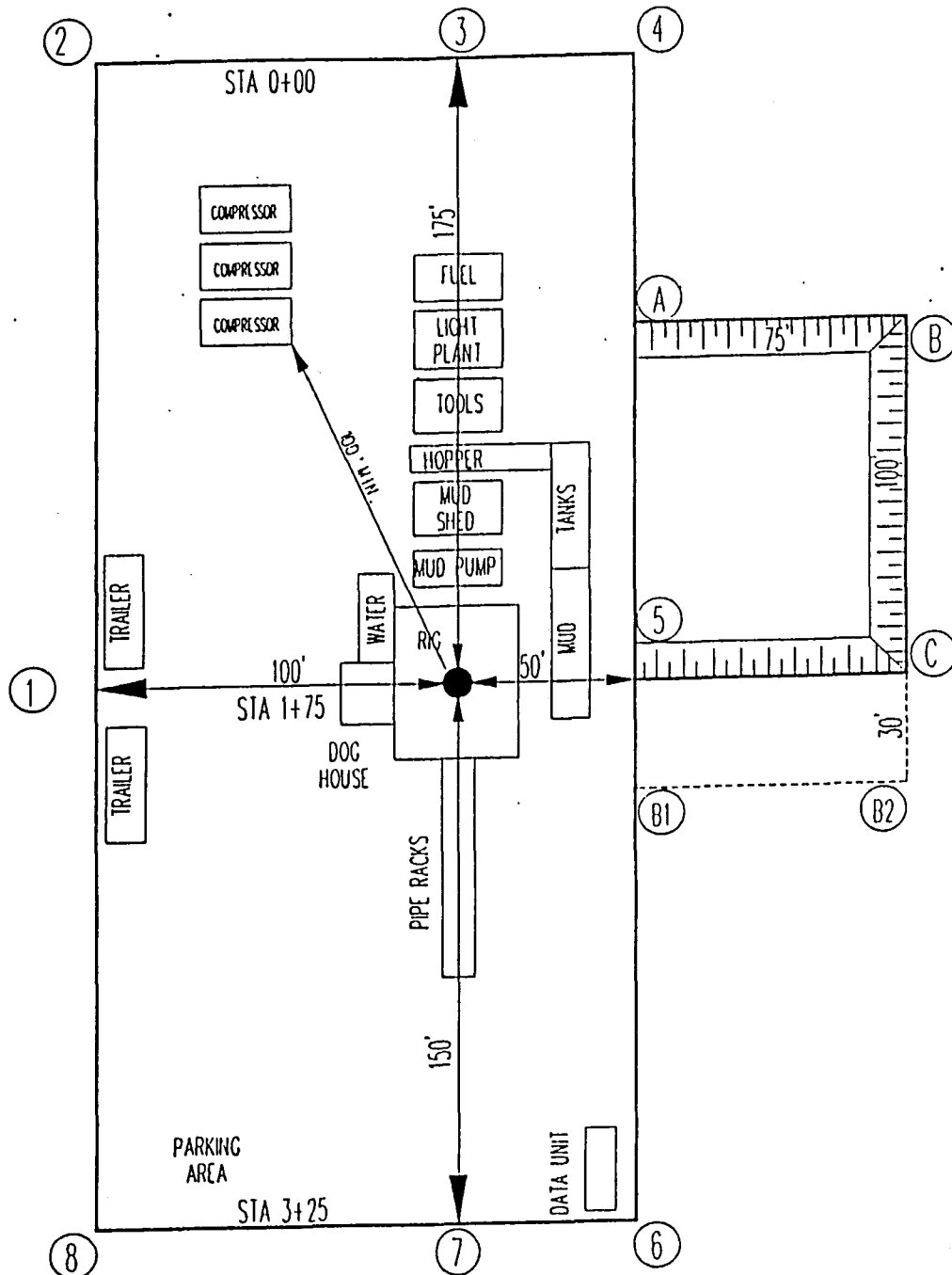
EQUITABLE RESOURCES ENERGY CO.  
MONUMENT FEDERAL #33-11J  
MAP "E"

TRI-STATE  
LAND SURVEYING, INC.  
2801 10th Street, Suite 200  
801-781-2501



# EQUITABLE RESOURCES ENERGY CO.

## WELLSITE LAYOUT

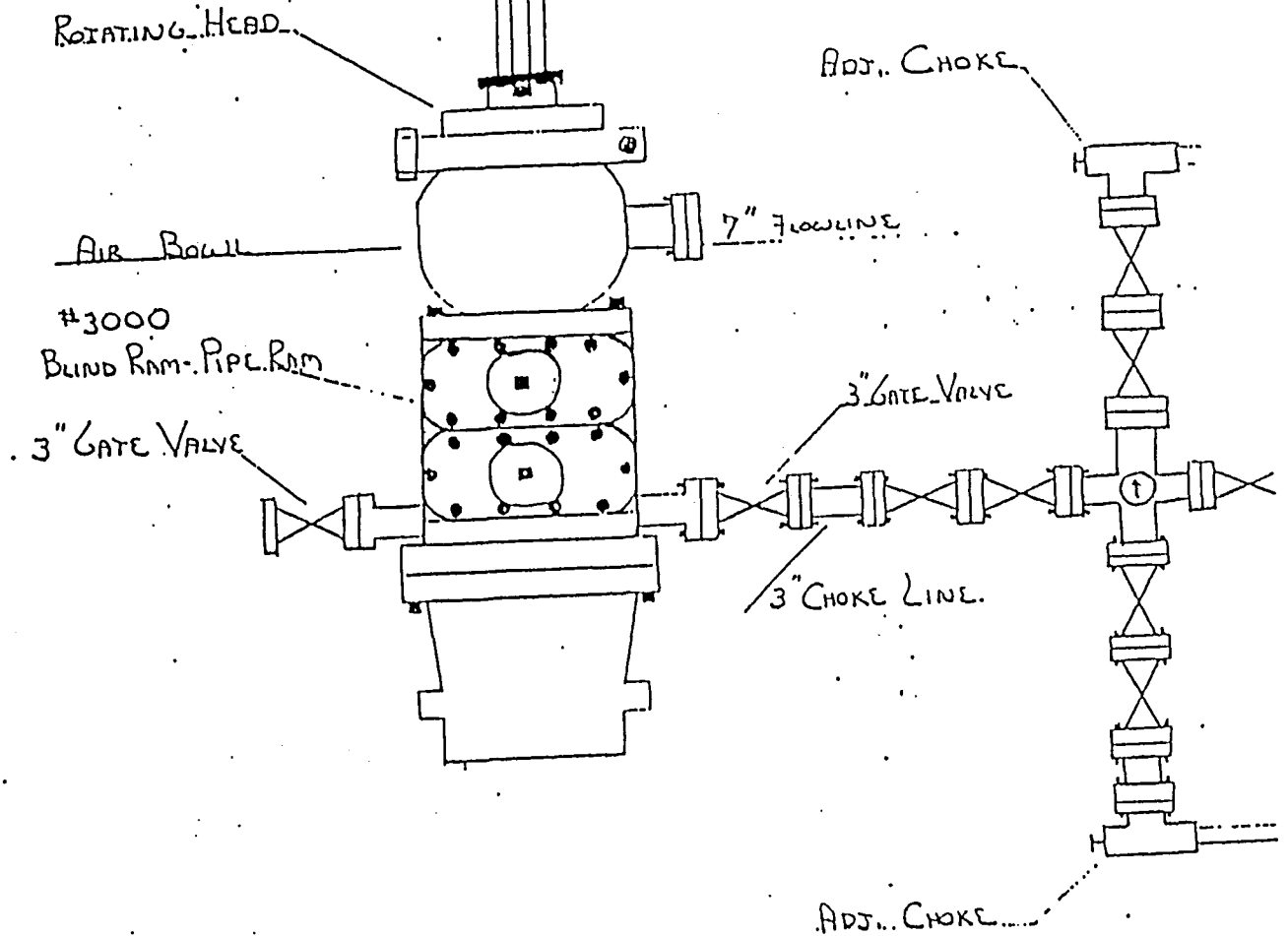


**TRI-STATE**  
LAND SURVEYING, INC.  
38 WEST 100 NORTH, VERNAL, UTAH 84478  
801-781-2501

UNION DRILLING RIG #17

Hex Kelly

EXHIBIT "H"



#3000 Stack



# Equitable Resources Energy Company Balcron Monument Federal 33-11J Proposed Production Facility Diagram

EXHIBIT "J"

Balcron Monument Federal 33-11J  
NW SE Sec. 11, T9S, R16E  
(formerly Walton Federal 3)  
Duchesne County, Utah  
Federal Lease #U-096550  
1971' FSL, 2031' FEL

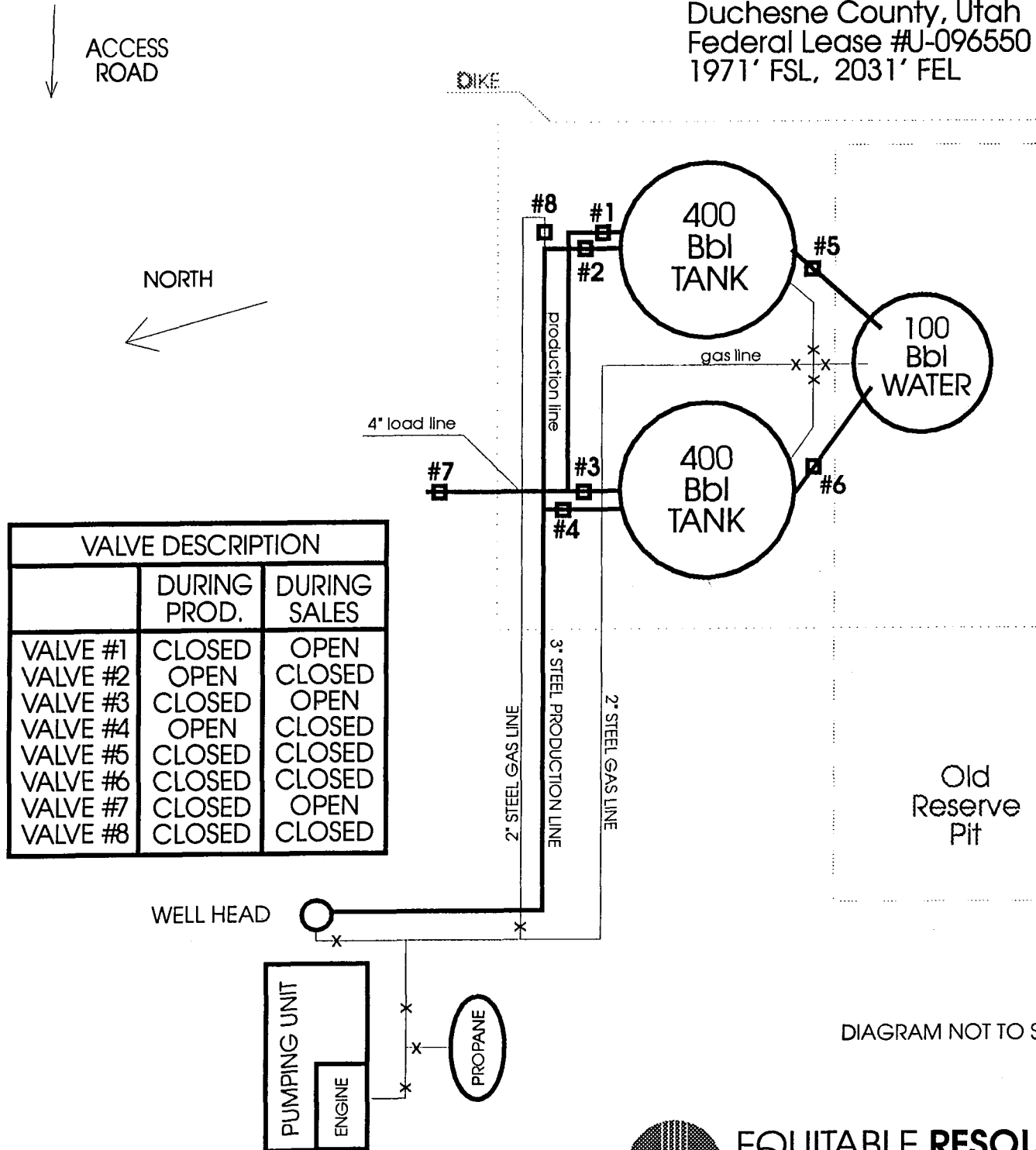


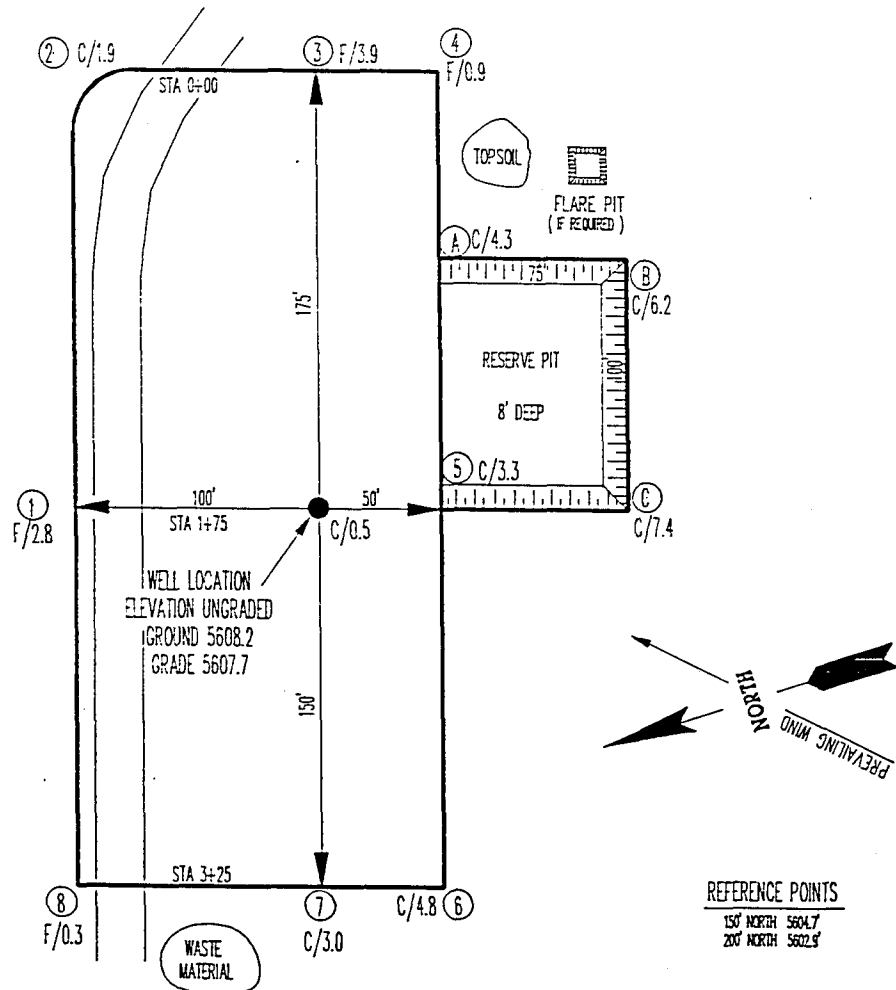
DIAGRAM NOT TO SCALE



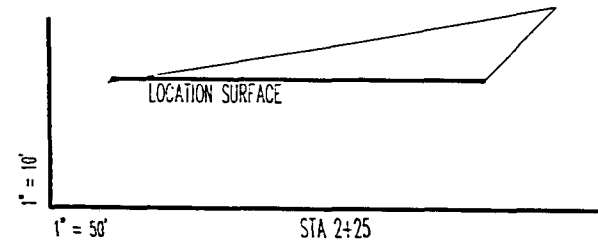
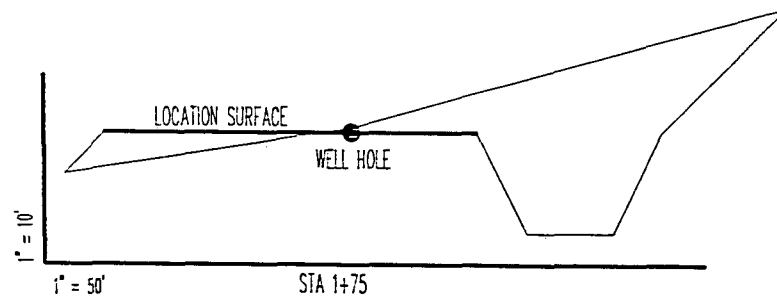
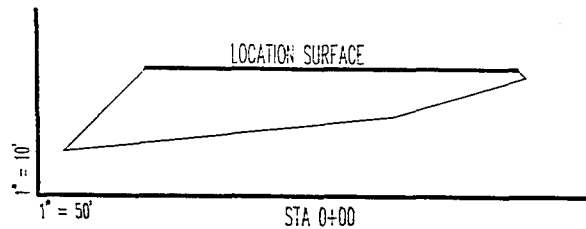
**EQUITABLE RESOURCES  
ENERGY COMPANY**  
BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104-1017  
(406) 259-7860

EQUITABLE RESOURCES ENERGY CO.  
BALCORN MONUMENT FEDERAL #33-11J



REFERENCE POINTS  
150' NORTH 5604.7  
200' NORTH 5602.9



APPROXIMATE YARDAGE  
CUT = 2701 Cu Yds  
FILL = 2665 Cu Yds  
PIT = 2222 Cu Yds

**TRI-STATE**  
LAND SURVEYING, INC.  
38 WEST 100 NORTH, VERNAL, UTAH 84078  
801-781-2501

# **CONFIDENTIAL**

**AS OPERATOR, WE HEREBY REQUEST THAT THE STATUS OF THIS WELL BE HELD TIGHT FOR THE MAXIMUM PERIOD ALLOWED BY FEDERAL AND STATE REGULATIONS.**

Equitable Resources Energy Company  
Balcron Oil Division  
P.O. Box 21017  
Billings, MT 59104  
(406) 259-7860

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/04/94

API NO. ASSIGNED: 43-013-31451

WELL NAME: BALCRON MONUMENT FED 33-11J  
OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:

NWSE 11 - T09S - R16E  
SURFACE: 1970-FSL-2031-FEL  
BOTTOM: 1970-FSL-2031-FEL  
DUCHESNE COUNTY  
MONUMENT BUTTE FIELD (105)

LEASE TYPE: FED  
LEASE NUMBER: U-096550

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Federal [☒ State[] Fee[]  
(Number MT 0676)  
☒ Potash (Y/N)  
☒ Oil shale (Y/N)  
☒ Water permit  
(Number JOE SHIELDS)  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_)

LOCATION AND SITING:

☒ R649-2-3. Unit: UTL 72086A  
\_\_\_\_ R649-3-2. General.  
\_\_\_\_ R649-3-3. Exception.  
\_\_\_\_ Drilling Unit.  
\_\_\_\_ Board Cause no: \_\_\_\_\_  
\_\_\_\_ Date: \_\_\_\_\_

COMMENTS:

~~Formerly Maltan Fed #3~~

STIPULATIONS:

CONFIDENTIAL  
PERIOD  
EXPIRED

ON \_\_\_\_\_

UTAH DIVISION OF OIL, GAS AND MINING  
EQUIPMENT INVENTORY

Operator: EQUITABLE RESOURCES CO Lease: State:        Federal: Y Indian:         
Fee:       

Well Name: BMF #33-11J API Number: 43-013-31451  
Section: 11 Township: 09S Range: 16E County: DUCHESNE Field: MONUMENT BUTTE  
Well Status: POW Well Type: Oil: Y Gas:       

PRODUCTION LEASE EQUIPMENT: Y CENTRAL BATTERY:       

Y Wellhead N Boiler(s) N Compressor N Separator(s)  
N Dehydrator(s) N Shed(s) N Line Heater(s) N Heated Separator  
N VRU Y Heater Treater(s)

PUMPS:  
       Triplex        Chemical (1) Centrifugal

LIFT METHOD:  
Y Pumpjack        Hydraulic        Submersible        Flowing

GAS EQUIPMENT:

       Gas Meters        Purchase Meter        Sales Meter

TANKS: NUMBER SIZE

<u>      </u> Oil Storage Tank(s)	<u>      </u> BBLS
<u>      </u> Water Tank(s)	<u>      </u>
<u>      </u> Power Water Tank	<u>      </u> BBLS
<u>      </u> Condensate Tank(s)	<u>      </u> BBLS
<u>      </u> Propane Tank	<u>      </u>

REMARKS: METERED OFF LOCATION. HAS ONE INCH RESIDUE GAS LINE; HAS TWO INCH SALES LINE. GLYCOL TRACE PUMP FOR HEAT.

Location central battery: Qtr/Qtr:        Section:        Township:         
Range:       

Inspector: DENNIS INGRAM Date: 8/23/94



EQUITABLE RESOURCES ENERGY Co

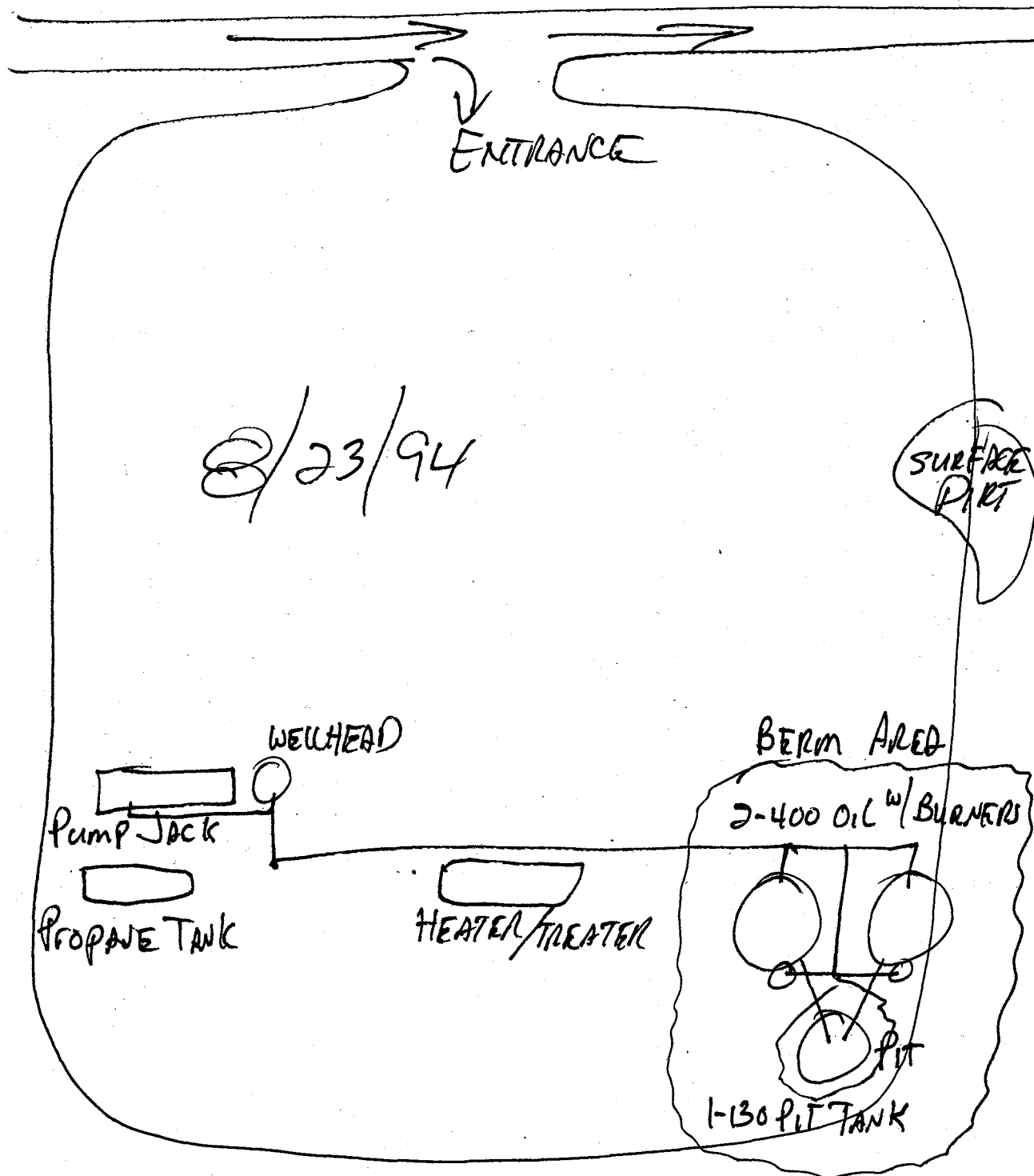
BMF #33-11 J 43-013-31451

SEC II ; T9S ; R16E

U-096550

POW

↑  
NORTH





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

May 9, 1994

Equitable Resources Energy Company  
P.O. Box 21017  
Billings, Montana 59104

Re: Balcron Monument Federal #33-11J Well, 1970' FSL, 2031' FEL, NW SE, Sec. 11,  
T. 9 S., R. 16 E., Duchesne County, Utah

Gentlemen:

Pursuant to Utah Code Ann. § 40-6-18, (1953, as amended), Utah Admin. R. 649-2-3, Application of Rules to Unit Agreements and R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules.
2. Notification to the Division within 24 hours after drilling operations commence.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or K. Michael Hebertson, Reclamation Specialist, (Home) (801)269-9212.

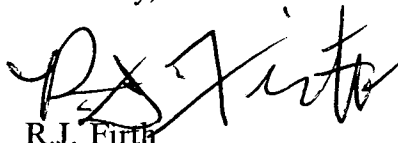
Page 2

Equitable Resources Energy Company  
Balcron Monument Federal #33-11J Well  
May 9, 1994

6. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31451.

Sincerely,

A handwritten signature in dark ink, appearing to read 'R.J. Firth', is written over a horizontal line.

R.J. Firth  
Associate Director

ldc

Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office  
WOI1

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Equitable Resources Energy Company, Balcron Oil Division

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

NW SE Section 11, T9S, R16E

1970.9' FSL, 2031.5' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

From Myton, Utah, approximately 16 miles southwest

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5,800'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL 5608.2'

22. APPROX. DATE WORK WILL START\*

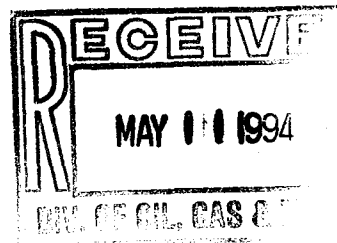
May 1, 1994

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached				

See attached for listing for EXHIBITS.

This is a RE-DRILL of the former Walton Federal #3.



**SELF CERTIFICATION:** I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Bobbie Schuman REGULATORY AND ENVIRONMENTAL,  
Specialist

DATE March 30, 1994

(This space for Federal or State office use)

PERMIT NO. 43-013-31451

APPROVAL DATE

APPROVED BY Eileen A. Schuman  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

STEWART GOSWAM  
LOUISIANA UNIVERSITY  
ASSISTANT DISTRICT  
MANAGER MINERALS

DATE MAY 6 1994

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Monument Federal 33-11J

API Number: 43-013

Lease Number: U-096550

Location: NWSE Sec. 11 T. 9S R. 16E

**NOTIFICATION REQUIREMENTS**

- |                                 |   |   |
|---------------------------------|---|---|
| Location Construction           | - | at least forty-eight (48) hours prior to construction of location and access roads.   |
| Location Completion             | - | prior to moving on the drilling rig.  |
| Spud Notice                     | - | at least twenty-four (24) hours prior to spudding the well.   |
| Casing String and Cementing     | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings.   |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests.   |
| First Production Notice         | - | within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

### A. DRILLING PROGRAM

#### 1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

#### 2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the base of the usable water zone, identified at  $\pm 1,917$  ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to  $\pm 1,717$  ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.



No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka      (801) 781-1190  
Petroleum Engineer

Ed Forsman              (801) 789-7077  
Petroleum Engineer

BLM FAX Machine      (801) 781-4410

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

**SURFACE USE PLAN OF OPERATION**  
Conditions of Approval (COAs)

Methods for Handling Waste Disposal

The reserve pit liner will have sufficient bedding (straw or dirt) to cover rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc..., that could puncture the liner will be deposited in the pit.

Additional Surface Conditions of Approval

If paleontologic resources are found or uncovered during ground disturbing activities, Balcron will suspend all operations that would further disturb such materials and immediately contact the BLM Authorized Officer.

A complete copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The operator or his/her contractor shall contact the BLM Office at (801) 789-1362 forty-eight (48) hours prior to construction activities.

The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

If the proposed oil well is scheduled for development between March 15 and August 15, additional surveys for mountain plovers will be required a minimum of 14 days prior to surface disturbance. Contact the Authorized Officer of the BLM for specific procedures.

# CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

NAME OF COMPANY: EQUITABLE RESOURCES

WELL NAME: BALCRON MONUMENT FEDERAL 33-11J

API NO. 43-013-31451

Section 11 Township 9S Range 16E County DUCHESNE

Drilling Contractor UNION

Rig # 17

SPUDDED: Date 6/16/94

Time 5:00 PM

How ROTARY

Drilling will commence

Reported by AL PLUNKETT

Telephone # 1-789-0790

Date 6/20/94 SIGNED DLI

ENTITY ACTION FORM - FORM 6

OPERATOR Equitable Resources Energy Company

Balcron Oil Division

ADDRESS P.O. Box 21017

Billings, MT 59104

OPERATOR ACCT. NO. N 9890

(406) 259-7860

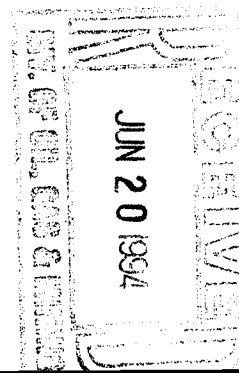
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	11492	<u>N</u>	43-013-31451	Balcron Monument Federal #33-11J	NW SE	11	9S	16E	Duchesne	6-16-94	6-16-94
WELL 1 COMMENTS: <u>Entity added 6-21-94. See</u> <u>Spud of a re-drill of former Walton Federal #3. Please add to current Jonah Unit Entity.</u>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)



Molly Conrad  
Signature

Operations Secretary 6-17-94  
Title Date

Phone No. (406) 259-7860

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcon Oil Division

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW SE Section 11, T9S, R16E  
1970.9' FSL, 2031.5' FEL

5. Lease Designation and Serial No.

U-96550

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcon Monument Federal #33-11J

9. API Well No.

43-013-31451

10. Field and Pool, or Exploratory Area

Monument Butte/ Green River

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

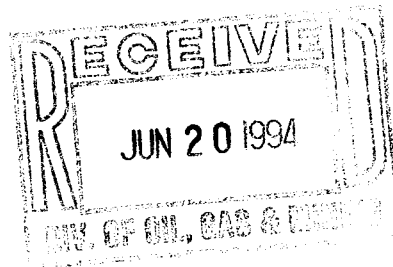
TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other \_\_\_\_\_
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

This well was spud on 6-16-94 at 5 p.m. by Union Drilling.



14. I hereby certify that the foregoing is true and correct

Signed Molly Conrad

Title Operations Secretary

Date 6-17-94

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

GEOLOGICAL WELLSITE REPORT

Balcron Oil Company  
Monument Butte Federal No. 33-11J  
NW $\frac{1}{4}$ SE $\frac{1}{4}$  Sec. 11-T9S-R16E  
Duchesne County, Utah

43-013-31451

**RECEIVED**

JUL 20 1994

DIVISION OF  
OIL, GAS & MINING

Durwood Johnson  
Petroleum Geologist  
3118 Avenue F  
Billings, MT 59102  
(406) 656-4872

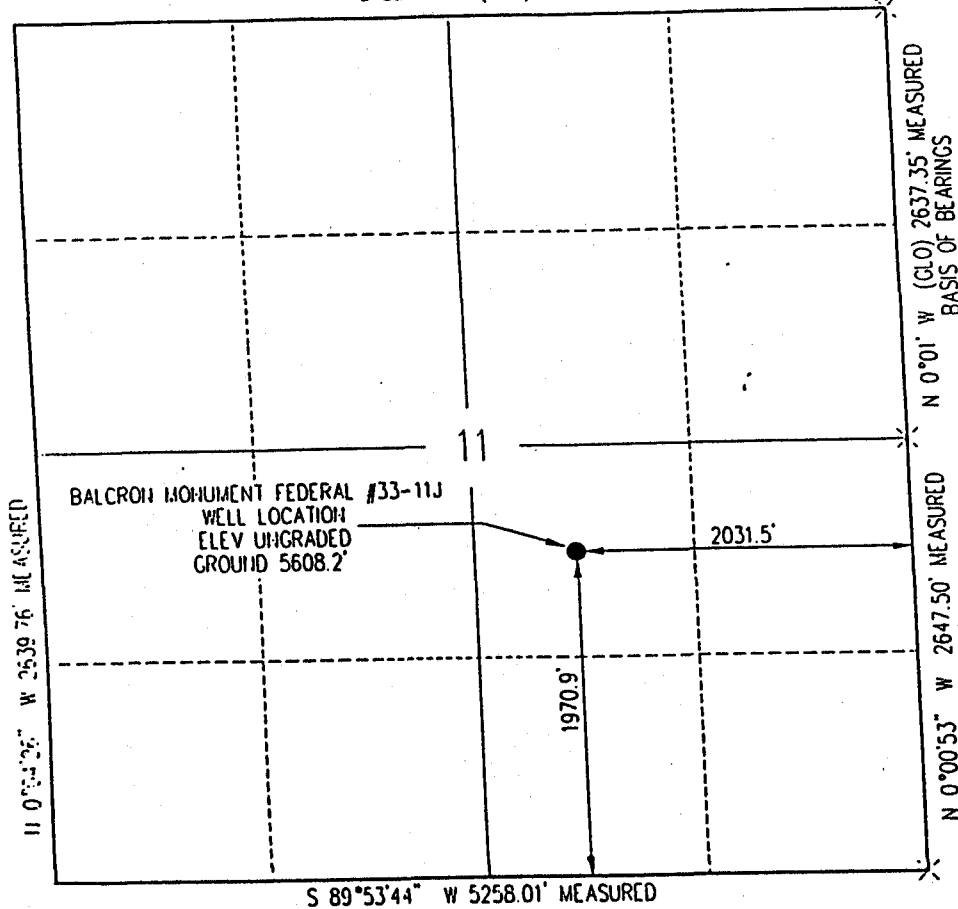


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Penetration Log	In Pocket

T9S, R16E, S.L.B. & M.

S 89°56' W (CLO)



X = SECTION CORNERS LOCATED  
BASIS OF BEARINGS; C.L.O. PLAT 1911  
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

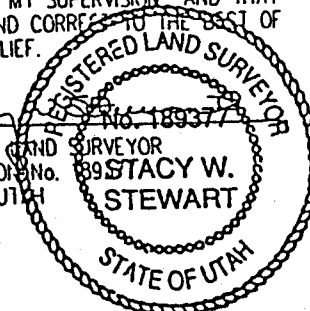
EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCROH MONUMENT FEDERAL #33-11J, LOCATED AS SHOWN IN THE NW 1/4 SE 1/4 OF SECTION 11, T9S, R16E, S.L.B. & M, DUCHESNE COUNTY UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION No. 89  
STATE OF UTAH



WEATHER: STORMY & COLD  
DATE: 2/10/94  
SCALE: 1" = 1000'  
SURVEYED BY: SS CB  
FILE: MF 33-11J



# DATA SHEET

OPERATOR: Balcron Oil Company  
 WELL NAME: Monument Butte Federal No. 33-11J  
 LOCATION: NW¼SE¼ (1971' fsl-2038' fsl) Section 11, Township 9 South, Range 16 East, Duchesne County, Utah  
 AREA: Monument Butte Field - Jonna Unit  
 ELEVATIONS: 5606' Ground 5616' KB  
 SPUDDER: June 16, 1994 @ 5:30PM  
 DRILLED OUT: June 17, 1994 @ 11:15 PM  
 REACHED T.D.: June 27, 1993 @ 8:00 AM  
 COMPLETED: June 28, 1994 @ 11:00 AM  
 STATUS: Oil Well  
 HOLE SIZE: 12¼" 20'-292' 7 7/8" 292-5804'  
 TOTAL DEPTH: 5800' Driller 5804' Logger  
 DRILLG. FLUID: Air & foam, 292-3994' Kcl Water 3994'-T.D.  
 Surface Csg.: Ran 6 jts (266.45') 8 5/8", 24 lb., J-55 to 276.45' KB. Cement w/165 sxs Class G, 2% CaCl<sub>2</sub>, ¼ lb./sx cello flakes. Plug down 8:00 AM 6/17/94.  
 PROD. CSG.: Ran 135 jts (5772.51') 5½", 15.5 lb., K-55. Set at 5791.51' KB. Cemented w/240 sxs Super G w/additives, trailed w/243 sxs 50-50 Poz w/additives. Plug down @ 8:00 AM, 6/28/94.  
 DSTs: None.  
 CORES  
 1. 4840-4870 (4845-4875 Logs) Cored 30' Rec. 30' R-5 SS  
 2. 5158-5169 (5165-5176 Logs) Cored 11' Rec. 11' G-4 SS  
 3. 5169-5205 (5176-5212 Logs) Cored 36' Rec. 37' G-4 SS  
 4. 5370-5423 (5374-5427 Logs) Cored 53' Rec. 54+' BSF  
 LOGGING: Schlumberger Engineer: Tracy Vernal, UT  
 1. DLL w/MSFL BSC-T.D.  
 2. FDC-CNL w/GR & Cal 2500-T.D.  
 MUD LOGGING: Monaco Services Mudloggers: Jensen, Crocker  
 CONTRACTOR: Union Drilling Co. Rig 17 Dave Gary, Toolpusher  
 SUPERVISOR: Al Plunket  
 GEOLOGIST: Durwood Johnson

# FORMATION TOPS

	<u>Depth</u>	<u>Datum</u>	<u>Reference Well *</u>
TERTIARY			
Green River	1600	+4018	
2nd Garden Gulch	3888	+1730	23' Low
Yellow Marker	4524	+1096	29' Low
Douglas Creek	4681	+ 937	33' Low
R-5 Sand	4860	+ 758	38' Low
2nd Douglas Creek	4922	+ 696	39' Low
Green Marker	5064	+ 554	31' Low
G-3 Sand	5153	+ 460	53' Low
G-4 Sand	5184	+ 434	49' Low
Black Shale Fecies	5368	+ 250	35' Low
Carbonate Marker	5541	+ 77	27' Low
B-1 Sandstone	5590	+ 28	23' Low
B-2 Sandstone	5633	- 15	28' Low

## TOTAL DEPTH:

Driller:	5800	- 182
Logger:	5804	- 186

## Reference Well \*

Balcron-Monument Butte Fed. 23-11J  
NE $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 11-T9S-R16E  
Duchesne County, Utah

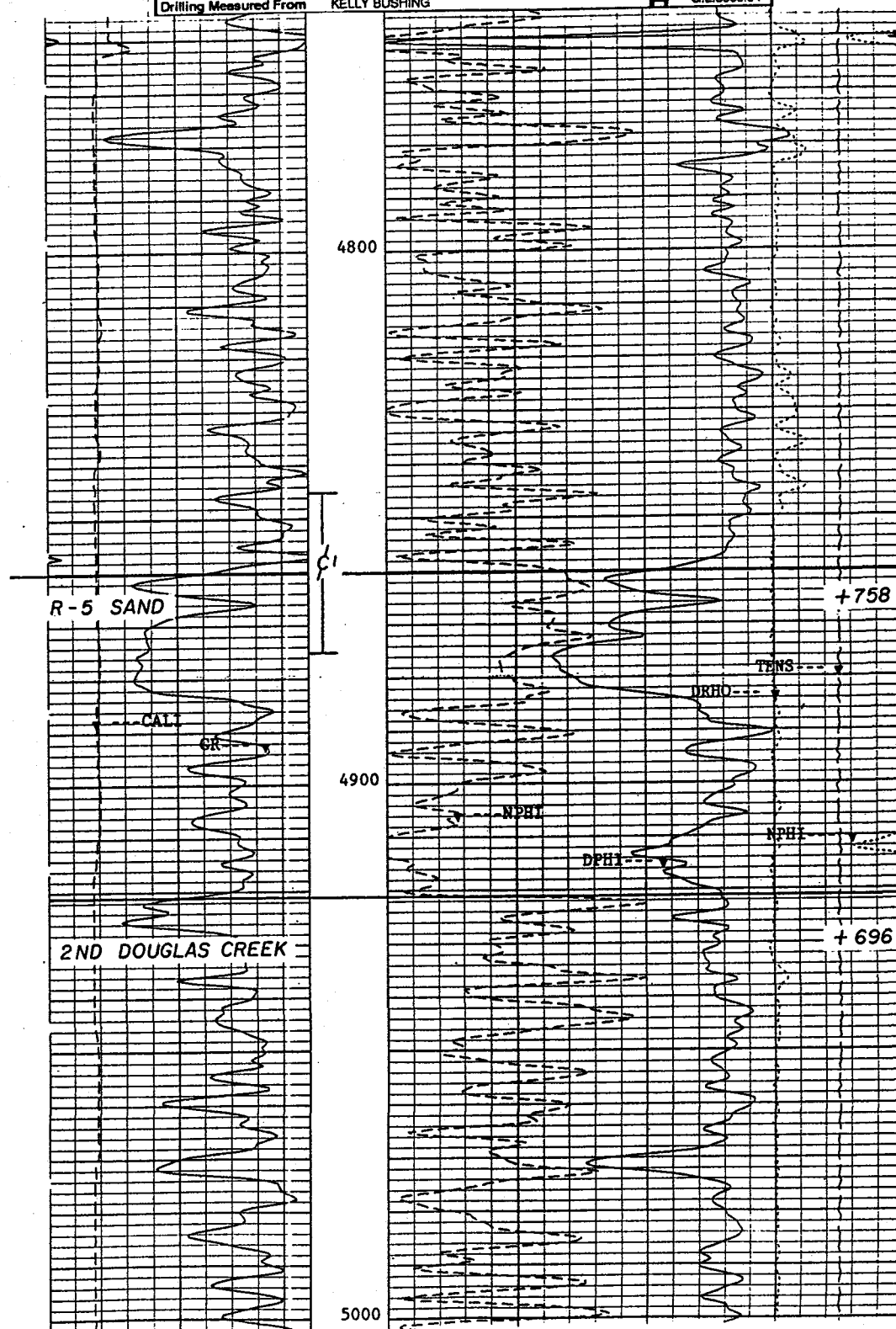
## DEVIATION SURVEYS

800	1	°
1280	2	°
2530	3	°
2818	3 1/4	°
3048	2	°
4055	1 1/2	°
4547	1 3/4	°
5600	1 1/4	°

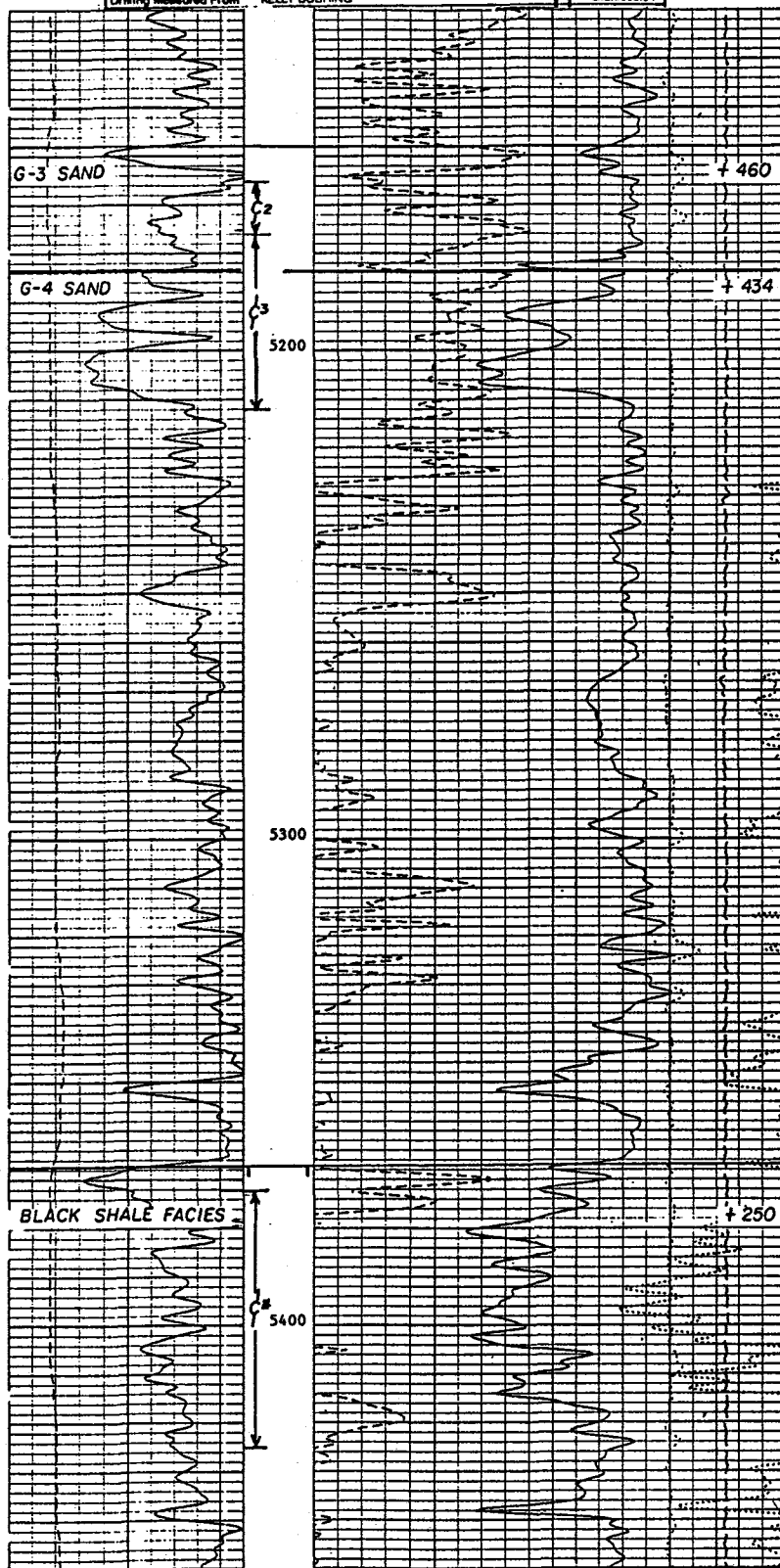
Schlumberger

SIMULTANEOUS  
COMPENS ED NEUTRON-  
LITHO-DENSITY

COUNTY	FIELD	LOCATION	WELL	COMPANY	1971' FSL & 2032' FEL				Other Services: DLL MSFL LOT CNL	
DUCHESNE	MONUMENT BUTTE GREEN RIVER	1971' FSL & 2032' FEL	MONUMENT FEDERAL #33 11J	BALCRON OIL COMPANY	API SERIAL NO.	SECT.	TWP.	RANGE		
					N/A	11	9 S	16 E		
Permanent Datum					GROUND LEVEL	Elev.	5608.0 F	Elev.: K.B. 5618.0 F		
Log Measured From					KELLY BUSHING	10.0 F	above Perm. Datum	D.F. 5617.0 F		
Drilling Measured From					KELLY BUSHING			G.L. 5608.0 F		



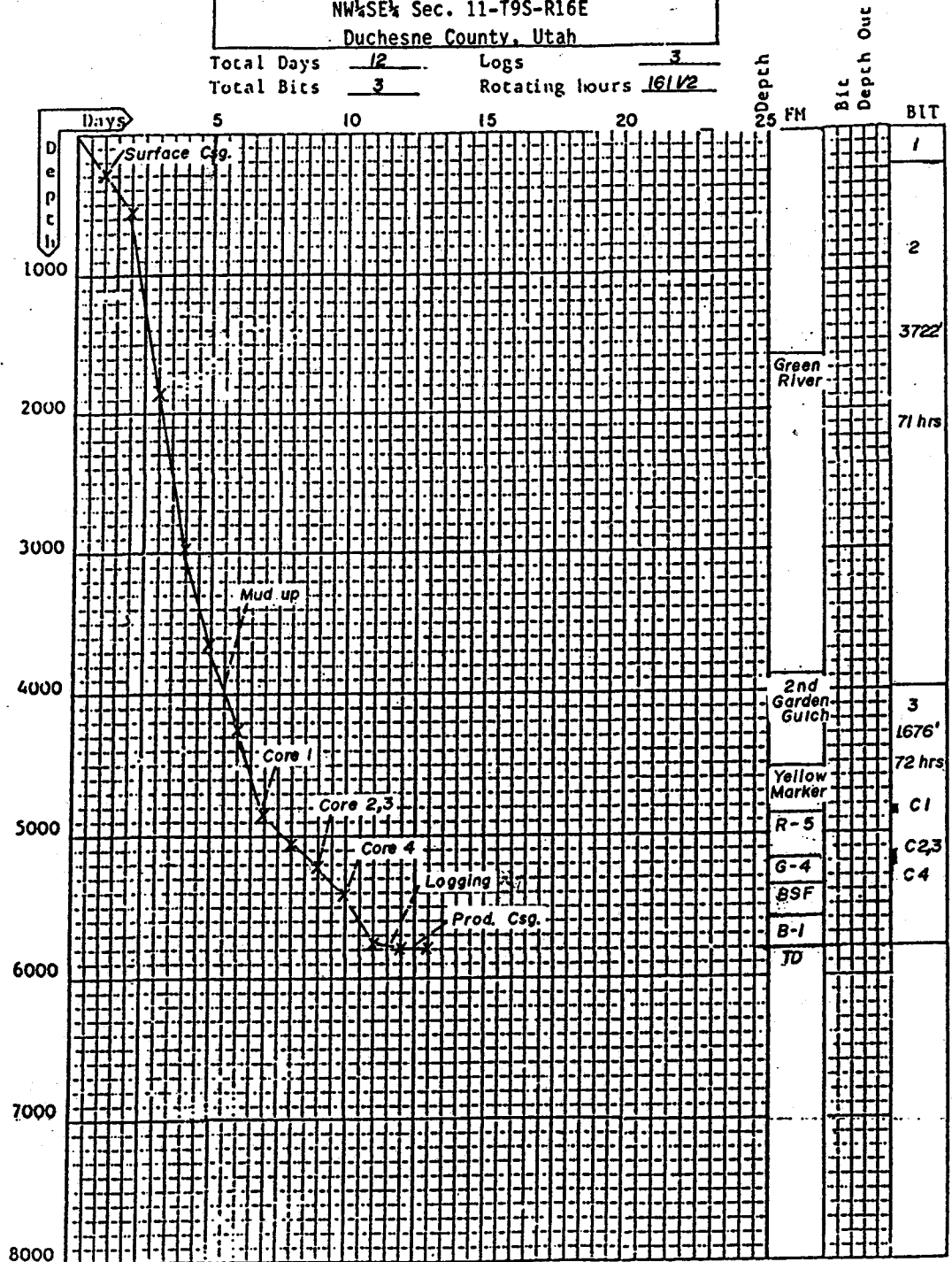
Schlumberger		SIMULTANEOUS COMPENSATED NEUTRON- LITHO-DENSITY	
COMPANY		BALCRON OIL COMPANY	
WELL		MONUMENT FEDERAL #33-11J	
FIELD		MONUMENT BUTTE/GREEN RIVER	
COUNTY		DUCHESNE	STATE UTAH
LOCATION		1871' FSL & 2032' FEL	
NW/SE			
API SERIAL NO.	SECT.	TWP.	RANGE
N/A	11	9 S	16 E
Permanent Datum	GROUND LEVEL	Elev.	5608.0 F
Log Measured From	KELLY BUSHING	10.0 F	above Perm. Datum
Drilling Measured From	KELLY BUSHING		
Other Services:		D.L. MSFL LDT CNL	
Elev.: K.B. 5618.0 F		D.F. 5617.0 F	
G.L. 5608.0 F			



# PENETRATION CHART

Balcron Oil Company  
Monument Butte Fed. No. 33-11J  
NW¼SE¼ Sec. 11-T9S-R16E  
Duchesne County, Utah

Total Days 12 Logs 3  
Total Bits 3 Rotating hours 161 1/2



# WELL HISTORY

<u>Day</u>	<u>Date</u>	<u>Depth</u>	<u>Operation</u>	<u>Activity Previous 24 Hrs. 6:00AM-6:00AM</u>
	1994			
1	6/17	292	Tripping	Move & rig up. Drill rat hole. Drill 17" hole & set conductor @ 24' KB. Spud 12½" surface @ 5:30 PM 6/16/94. Drill from 20' to 292'. Made 272' in 10 hrs. Circulate. Trip out.
2	6/18	557	Drilling	Run 8 5/8" casing to 292'. Cement. WOC. Weld on head & test. Nipple up BOPs. Pressure test BOPs to 2000 lbs. - O.K., pressure test casing 1500 lbs. - O.K. Trip in Bit 3. Blow water & drill cement & shoe - 2 3/4 hrs. Drilled out @ 11:15 PM 7/17/94. Drill 7 7/8" hole from 292 to 557'. Made 265' in 6 hrs.
3	6/19	1818	Drilling	Drill & survey from 557 to 1818'. Made 1261' in 22 hrs.
4	6/20	2974	Tripping	Drill & survey from 1818 to 2974'. Reduced WOB 10-12 @ 2602' due to 3° deviation. Trip for plugged bit. Made 1156' in 20¼ hrs.
5	6/21	3618	Drilling	Complete trip for plugged bit. Re-added board. Made 12' uphill correction. Drill from 2974 to 3618'. Made 644' in 14½ hrs.
6	6/22	4221	Drilling	Drill from 3618 to 3994'. Mud up - 1½ hrs. Trip for bit 4. SLM, 2' downhole correction. Drill from 3994 to 4221'. Made 603' in 17 hrs.
7	6/23	4840	Circ.	Drill & survey from 4221 to 4840'. Circulate. Made 619' in 22¼ hrs.
8	6/24	5028	Drilling	Trip out & pick up core barrel. Trip in. Core 4840-70. Cut 30' in 2 hrs. Trip out. Lay down core. Trip in bit 4. Circulate. Drill from 4870 to 5028'. Made 158' in 6½ hrs.
9	6/25	5205	Coring	Drill from 5028 to 5158'. Made 130' in 4 hrs. Circulate. Trip for core barrel. Trip in. Wash 30' to bottom. Core 2: 5158-5169'. Cut 11' in 1½ hrs. Trip out. Lay down core. Put on new core head. Trip in. Core 3: 5169-5205' - 3½ hrs. Cored 46' in 5 hrs.



<u>Day</u>	<u>Date</u>	<u>Depth</u>	<u>Operation</u>	<u>Activity Previous 24 hrs, 6:00AM-6:00AM</u>
	1994			
10	6/26	5405	Coring	Trip out w/Core 3. Lay down core. Trip in bit 4. Drill from 5210-5270'. Trip out. Pick up core barrel. Trip in. Wash to bottom. Coring. Cored 45' in 1½ hrs. Drilled 165' in 6½ hrs.
11	6/27	5758	Drilling	Complete coring. Cored 8' in 1 hr. Trip out. Lay down core. Lay down core barrel. Trip in bit 4. Drill from 5405-5758'. Made 353' in 12½ hrs.
12	6/28	5800	Circ.	Drill from 5758 to 5800'. Made 42' in 2 hrs. Circulate for logs. Trip out. SLM - no correction, rig up loggers. Logging - 5 hrs. Trip in. Circulate. Trip out laying down. Run 5½" casing. Cementing.
13	6/29	5804		Complete cementing. Plug down @ 8:00 AM, 6/28/94. Released rig @ 11:00 AM 6/28/94.

## SAMPLE DESCRIPTION

Baloron Federal 33-11J  
NW¼SE¼ Sec. 11-T9S-R16E  
Duchesne County, Utah

Geologist at wellsite @ 1000'. Samples lagged and caught by Manaco Logging personnel. Sample quality is fair-good unless noted otherwise. Sample descriptions are adjusted to Dual Laterolog depths with shows underlined.

Samples caught at the following intervals:

50' 1300-4000'  
10' 4000-5800'

- 1300-1350 Sandstone, very fine-fine grained, light grayish white, loose quartz grains and small clusters, sub-angular to sub-rounded, fair-good sorting, calcareous, silica cement, occasionally pyritic; streaks Shale, gray-brown, light tan, blocky, chunky, very dolomitic in part.
- 1350-1400 Sandstone, as above; slight increased Shale, light-medium gray, blocky, sub-waxy, silty in part.
- 1400-1450 Shale, gray, gray-green, chunky, silty, slightly calcareous; Sandstone, as above; trace Limestone, micro-cryptocrystalline, cream, light tan, argillaceous.
- 1450-1500 Siltstone-very fine grained Sandstone, light grayish white, occasionally fine grained, calcareous, argillaceous; interbedded Shale, light-medium gray, gray-green, sub-platy, silty in part.
- 1500-1550 Sandstone and Shale, as above; influx Limestone, cryptocrystalline, bright tan, cream, reddish brown, argillaceous to marly, dolomitic in part.
- 1550-1600 Shale, medium-dark gray, gray-brown, brown, sub-platy, silty and calcareous in part; streaks Siltstone-very fine grained Sandstone, as above.
- GREEN RIVER 1600 (+4010)
- 1600-1700 Shale, bright tan, reddish brown, red, blocky, sub-platy, moderately calcareous; grades to Marl, dolomitic in part, dull yellow fluorescence, slow light yellow-yellow cloudy cut - Oil Shale.

- 1700-1800 Shale, orange, light gray-tan, chunky, blocky, dolomitic, streaks very dolomitic, fluorescence and cut, as above - Oil Shale.
- 1800-1850 Shale, light gray-tan, light grayish green, orange, blocky, chunky, dolomitic, calcareous streaks, scattered dull yellow, yellow-gold fluorescence, slow cloudy cut - Oil Shale.
- 1850-1900 Shale, orange, chunky, blocky, dolomitic, scattered bright light yellow fluorescence, good bright yellow cut - Oil Shale; streaks Shale, light gray-tan, gray-green, chunky.
- 1900-1950 Shale, as above, becomes primarily red to reddish brown, very dolomitic, limey streaks, dull yellow-gold fluorescence, slow faint light yellow cut - Oil Shale.
- 1950-2050 Shale, reddish brown, grayish tan, blocky, chunky, dolomitic, scattered dull yellow fluorescence, slow faint cloudy cut - Oil Shale; @ 2000 Shale, as above, becomes limey in part, fluorescence and cut, as above - Oil Shale.
- 2050-2150 Shale, reddish tan, chunky, blocky, calcareous, limey streaks, dull gold fluorescence, slow faint cloudy cut - Oil Shale.
- 2150-2200 Shale, as above; streaks Shale, gray-tan, chunky, sub-blocky, calcareous to limey, scattered dull gold fluorescence, slow faint cloudy cut - Oil Shale.
- 2200-2250 Sandstone, very fine grained, occasionally fine grained, white, sub-angular to sub-rounded, good sorting, calcite and silica cement, occasionally friable, no show; streaks Siltstone, light gray, argillaceous, sharp; streaks Shale, light gray, gray-green, silty, sub-waxy; Shale, reddish tan, reddish brown, chunky, blocky, moderately calcareous, scattered fluorescence and cut, as above - Oil Shale.
- 2250-2350 Shale, dark reddish brown, brown, blocky, chunky, moderately calcareous, dolomitic streaks, scattered dull yellow fluorescence, occasional faint light yellow cut - Oil Shale; streaks Siltstone-very fine grained Sandstone, as above, grayish green, very slightly calcareous, appears tight, no show.
- 2350-2400 Shale, orange, reddish brown, blocky, chunky, calcareous, occasional limey streaks, dull yellow-gold fluorescence, occasional light yellow cut - Oil Shale.

- 2400-2500 Shale, as above, fluorescence, as above, occasional good light yellow cut - Oil Shale; streaks Shale, gray-tan, gray-brown, chunky, dolomitic.
- 2500-2600 Shale, dark brown, reddish tan, chunky, blocky moderately calcareous, limey streaks, dull yellow fluorescence - light yellow-yellow cloudy cut - Oil Shale.
- HORSESHOE BENCH SANDSTONE 2608 (+3010)
- 2600-2650 Shale, as above; Shale, orange, cream-tan, dolomitic, very dolomitic in part; trace Sandstone, very fine-fine grained, cream, tan, sub-rounded, fair-good sorting, appears primarily tight, silica cement, questionable stain, scattered light yellow-yellow fluorescence, rapid whitish yellow cut. Poor sample.
- 2650-2700 Sandstone, as above, fluorescence, as above, rapid strong whitish yellow cut; Shale, as above; Shale, dark brown, blocky, dolomitic, slightly calcareous.
- 2700-2750 Sandstone, fine grained, occasionally very fine grained and medium grained, cream, pale tan, light grayish white, sub-rounded, fair sorting, primarily tight, contact silica cement, occasionally friable, possible poor porosity, light tan to brown stain, dull yellow to no fluorescence wet, bright light yellow fluorescence in chlorathane, instant good bright yellow cut.
- 2750-2800 Sandstone, fine grained, light gray, gray, white, sub-rounded to sub-angular, fair-good sorting, slightly calcareous, silica cement, appears tight, dull yellow-yellow fluorescence, slow light yellow cut; streaks Shale, gray-brown, light-medium gray, sub-platy.
- 2800-2850 Shale, reddish brown, medium gray, gray-brown, sub-platy, chunky, dolomitic and calcareous, dull yellow-gold fluorescence, fairly slow light yellow cut - Oil Shale.
- 2850-2950 Shale, orange, reddish brown, sub-platy, dolomitic in part, carbonaceous in part, dull yellow-yellow fluorescence, slow cloudy cut - Oil Shale; @ 2900 streaks Shale, gray, gray-tan, sub-platy, calcareous, dull yellow fluorescence, few chips yield fair light yellow cut - Oil Shale.
- 2950-3000 Shale, as above; increased Shale, dark greenish gray, chunky, silty; influx Sandstone, very fine-fine grained, occasionally medium grained, light gray,

clear, milky white, sub-angular to rounded, poor-fair sorting, slightly calcareous, contact silica cement, scattered dull yellow-yellow fluorescence, occasional good rapid bright yellow cut.

- 3000-3050 Shale, grayish green, dark gray, sub-waxy, silty in part; streaks Shale, orange, cream, dolomitic in part; scattered dull yellow fluorescence, occasional faint cut. Oil Shale.
- 3050-3100 Shale, orange, light reddish tan, smooth, sub-platy, calcareous to moderately calcareous, dolomitic in part; abundant bright gold fluorescence, good light yellow cut - Oil Shale; streaks occasional Limestone, tan, cream, earthy, soft.
- 3100-3150 Shale, reddish brown, orange, cream, tan, chunky, dolomitic, carbonaceous in part; scattered dull to light yellow fluorescence, good light yellow cut - Oil Shale.
- 3150-3200 Sandstone, light gray, white, sub-rounded, good sorting, primarily small clusters firmly cemented with contact silica cement, few clusters friable, trace poor porosity; no fluorescence, occasional faint cut.
- 3200-3250 Shale, light-medium gray, brown, cream-pale gray, chunky, sub-platy, waxy in part, calcareous and dolomitic streaks; trace Limestone, earthy, light tan, cream, argillaceous.
- 3250-3300 Shale, dark brown, reddish tan, blocky, chunky, calcareous, dolomitic in part; trace Limestone, as above, dull gold fluorescence, no cut.
- 3300-3350 Shale, pale gray, gray-green, gray-tan, sub-waxy, non-calcareous to slightly dolomitic, pyritic, silty in part; Shale, brown, tan, bright tan, calcareous; scattered light yellow and gold fluorescence, occasional good light yellow cut - Oil Shale.
- 3350-3400 Shale, pale gray, gray, gray-tan, sub-platy; occasional streaks Shale, reddish tan, moderately calcareous to limey; scattered light yellow-yellow and dull gold fluorescence, fairly slow whitish-yellow cut - Oil Shale; streaks Limestone, microcrystalline, cream, argillaceous, earthy in part.
- 3400-3450 Shale, medium gray, chunky, sub-waxy, primarily non-calcareous; rare dull gold fluorescence, occasional fair whitish yellow cut - Oil Shale; increased streaks Limestone, as above.

- 3450-3500 Limestone, microcrystalline, tan, earthy, few pellets argillaceous in part; streaks Shale, gray-green, chunky, silty in part, sub-waxy; dull greenish gold fluorescence, good whitish yellow cut - Oil Shale.
- 3500-3550 Shale, light-medium gray, gray, green, platy, sub-waxy; Limestone, as above.
- 3550-3650 Shale, pale gray-green, light-medium gray, platy, sub-waxy, silty in part; fair dull yellow fluorescence, occasional faint slow cloudy cut; Sandstone, very fine grained, light gray, gray-tan, well cemented with silica - grains almost indistinct; no show; occasional streaks Shale, as above.
- 3650-3700 Siltstone-very fine grained Sandstone, light gray, gray-tan, well cemented with silica, tight; influx Limestone, crypto-microcrystalline, dark brown, reddish brown, orange; grades to Marl; dull gold fluorescence, strong whitish yellow cut - Oil Shale.
- 3700-3750 Limestone, microcrystalline, tan, earthy, very argillaceous in part; streaks Shale, dark brown, reddish brown, platy, dolomitic; dull greenish gold fluorescence, instant bright strong whitish yellow cut - Oil Shale.
- 3750-3800 Shale, pale green, pale gray, light gray-tan, sub-waxy, slightly calcareous in part; Limestone, as above; scattered yellow-gold fluorescence with cut, as above.
- 3800-3850 Shale, pale green, light-medium gray, light gray-green, sub-platy, waxy.
- 2nd GARDEN GULCH 3888 (+2730)
- 3850-3900 Shale, as above; influx Sandstone, very fine grained, greenish gray, good sorting, sub-angular to sub-rounded, well cemented with clay, tight; grades to sandy Shale.
- 3900-3950 Sandstone, very fine-fine grained, light gray, clear, primarily loose quartz grains and small clusters, silty in part; streaks Shale, gray-green, light-medium gray, sub-waxy, slight calcareous in part; influx Limestone, micro-cryptocrystalline, earthy, argillaceous; grades to Marl; scattered dull yellow fluorescence, occasional faint slow cut; poor sample from trip for bit.
- 3950-4000 Shale, pale gray-green, light-medium gray, waxy;

Shale, reddish brown, red, chunky, blocky, dolomitic and calcareous; streaks Limestone, earthy, micro-crystalline, cream, light tan, earthy, argillaceous; very poor sample, primarily uphole cavings from bit trip and mud up.

- 4000-4020 Sandstone, very fine-fine grained, light gray-tan, sub-rounded to sub-angular, good sorting, friable, poor-fair porosity; tan to light brown stain, some spotty dark brown stain, light yellow-yellow fluorescence with greenish cast, fair rapid whitish yellow cut - becomes cloudy; abundant Limestone, as above.
- 4020-4030 Shale, pale gray, gray-green, sub-waxy, occasionally silty, slightly calcareous; abundant Limestone, as above; streaks Siltstone-very fine grained Sandstone, light grayish white, clear, occasionally medium grained, well cemented with silica, no show.
- 4030-4040 Shale, pale green, cream-light gray, sub-waxy, silty and sandy; streaks Limestone, as above.
- 4040-4090 Shale, medium-light gray, light greenish gray, sub-platy, waxy; occasional streaks Shale, reddish brown, moderately calcareous - cavings? At 4070 occasional streaks Siltstone-very fine grained Sandstone, light gray, argillaceous in part, slightly calcareous, tight.
- 4090-4100 Shale, bright tan, reddish brown, blocky, chunky; grades to shaley Limestone; dull yellow fluorescence, fair rapid whitish yellow cut - Oil Shale.
- 4100-4120 Shale, dark brown, gray-brown, gray, gray-green, chunky, blocky, waxy in part; scattered dull yellow fluorescence - weak light yellow cut - Oil Shale.
- 4120-4140 Shale, light-medium gray, gray-green, sub-platy, waxy, silty in part, slightly calcareous; @ 4130 streaks Siltstone-very fine grained Sandstone, light gray, argillaceous, tight.
- 4140-4160 Shale, as above; streaks Sandstone, very fine-fine grained, light gray, clear, sub-angular, loose quartz grains fairly common, appears tight.
- 4160-4180 Sandstone, very fine-fine grained, light grayish white, good sorting, sub-rounded, appears to become coarser and fair sorting baseward, appears primarily tight, possible poor porosity; few clusters have pale tan stain, spotty dull yellow-yellow fluorescence, yields slow weak whitish yellow cut; streaks Shale, as above.

- 4180-4200 Shale, light gray-gray, occasional greenish cast, waxy, slightly calcareous, silty in part, loose quartz grains common.
- 4200-4230 Sandstone, very fine-fine grained, light brown, dark brown - oil stain, good sorting, sub-rounded, friable, streaks fair-good porosity; light brown, dark brown stain, dull yellow fluorescence with greenish cast, instant strong flashing whitish yellow cut; @ 4220 Sandstone, as above, slight overall increase in grain size, porosity, stain, fluorescence and cut, as above.
- 4230-4250 Shale, pale gray, gray-green, platy, chunky, waxy, occasionally slightly calcareous; Sandstone, as above; fluorescence and cut, as above; @ 4240 streaks Shale, reddish brown, platy, limey - cavings?
- 4250-4300 Shale, light gray, gray-tan, brown, sub-waxy, platy, slightly to moderately calcareous; @ 4270 streaks Limestone, cryptocrystalline, tan, brown, argillaceous.
- 4300-4310 Shale, as above; influx Siltstone-very fine grained Sandstone, light gray, grayish white, argillaceous, slightly calcareous.
- 4310-4340 Siltstone-Sandstone, very fine grained, light gray, white, sub-rounded, good sorting; occasional streaks Claystone, light gray, silty, siliceous in part; Shale, as above.
- 4340-4360 Sandstone, very fine-fine grained, light gray, soft, good sorting, sub-rounded to sub-angular, silica and clay cement, possible poor-fair porosity, no show.
- 4360-4380 Shale, dark brown, brown, platy, flaky, dolomitic; Shale, pale gray, sub-waxy, slightly calcareous; Shale, reddish brown, blocky, dolomitic - cavings?
- 4380-4400 Shale, dark gray-brown, dark brown, tan, light gray, platy, chunky, siliceous in part, waxy in part; occasional streaks Siltstone, gray, argillaceous, slightly calcareous; @ 4390 influx Shale, reddish brown, orange, blocky, chunky, moderately calcareous to limey; scattered yellow fluorescence, fair light yellow cut - Oil Shale.
- 4400-4420 Sandstone, very fine-fine grained, light grayish white, clay and silica cement, tight; Shale, as above.
- 4420-4440 Sandstone, very fine grained, white, light gray, well



sorted, sub-rounded to sub-angular, silty in party, slightly calcareous, appears tight, no show.

4440-4460 Shale, light gray, occasionally greenish gray, chunky, waxy, silty; @ 4450 streaks Sandstone, very fine grained, white, light gray, clear quartz, sub-angular to sub-rounded, appears primarily tight, possible poor porosity, no show.

4460-4470 Sandstone, fine grained, occasionally very fine grained, light grayish-white, sub-rounded, fair to good sorting, slightly calcareous, silica cement, primarily tight, streaks poor porosity, no show; occasional streaks Shale, gray-green, waxy.

4470-4520 Shale, light gray, buff, chunky, silty; Siltstone-very fine grained Sandstone, as above.

YELLOW MARKER 4524 (+1096)

4520-4530 Limestone, microcrystalline, earthy, tan, soft, scattered ostracods; streaks Shale, dark brown, gray-brown, chunky, dolomitic - Oil Shale.

4530-4550 Shale, pale gray, gray-green, chunky, waxy, silty and sandy in part; streaks Siltstone-very fine grained Sandstone, light gray, argillaceous, tight.

4550-4570 Sandstone, very fine-fine grained, light grayish white, good sorting, sub-rounded, silica cement, appears primarily tight, trace poor porosity; scattered dull yellow-yellow fluorescence, slow weak light yellow cut; Shale, as above.

4570-4600 Shale, light-medium gray, gray-green, sub-platy, slightly calcareous; streaks Siltstone-very fine grained Sandstone, as above, appears tight.

4600-4620 Shale, pale gray, light greenish gray, waxy, slightly calcareous; influx Shale, reddish tan, blocky, moderately calcareous - Oil Shale - cavings?

4620-4640 Sandstone, very fine grained, white, good sorting, sub-angular, primarily loose quartz grains; no fluorescence; @ 4630 influx Shale, pale gray, medium gray, waxy.

4640-4650 Shale, pale gray, waxy, slightly calcareous, abundant loose quartz grains, as above.

4650-4670 Shale, dark reddish brown, sub-platy, calcareous - Oil Shale.

- 4670-4680 Shale, dark brown, brown, reddish brown, chunky, sub-platy, calcareous to limey - Oil Shale.
- DOUGLAS CREEK 4681 (+937)
- 4680-4690 Sandstone, very fine-fine grained, light gray, sub-rounded, good sorting, primarily loose quartz grains; scattered light bluish yellow fluorescence, fair slow weak light bluish white cut; Shale, pale green, waxy, slightly calcareous.
- 4690-4720 Sandstone, fine grained, occasionally very fine grained, light gray, tan, sub-angular to sub-rounded, well sorted, primarily loose quartz grains, possible poor porosity, silica cement; light tan stain, bright light yellow fluorescence, fair slow bluish white cut.
- 4720-4730 Shale, dark brown, chunky, silty in part, calcareous, limey in part, soft; scattered dull yellow fluorescence, slow cloudy cut - Oil Shale; Siltstone-very fine grained Sandstone, white, light gray, good sorting, abundant loose quartz grains.
- 4730-4770 Shale, pale gray, gray, slight greenish cast, waxy, very silty in part.
- 4770-4780 Limestone, crypto-microcrystalline, tan, dense; grades to Marl; light yellow fluorescence with greenish cast, fair light yellow cut. Oil Shale.
- 4780-4790 Shale, dark brown, brown, chunky, waxy, dolomitic; streaks Limestone, as above; fluorescence and cut, as above.
- 4790-4800 Sandstone, very fine-fine grained, light grayish white, good sorting, sub-rounded, primarily loose quartz grains, no show; occasional streaks Shale, pale gray, waxy.
- 4800-4830 Shale, pale gray, cream-white, platy, waxy, slightly calcareous, occasionally silty; streaks Siltstone, pale gray, argillaceous, calcareous; @ 4820 Shale, as above, becomes very silty; increased Siltstone-very fine grained Sandstone, light gray, argillaceous, good sorting, slightly calcareous, tight.
- 4830-4840 Shale, pale gray, platy, mushy, bentonitic.
- CORE No. 1: 4840-4870 (4845-4875 Log) Depths not adjusted. Cored 30'. Recovered 30'.
- 4840-4845 Shale, gray, slightly calcareous, silty in part;

irregular interbedded Siltstone, laminations.

- 4845-4846 Shale, dark gray, poker chips.
- 4846-4848 Siltstone-very fine grained Sandstone, light gray-gray; interbedded Shale, as above.
- 4848-4849 Shale, dark gray, poker chips.
- 4849-4855.5 Shale, gray, silty; numerous Siltstone-very fine grained Sandstone laminations; @ 4853 becomes very silty and sandy in part.

R-5 SAND 4860 (+758)

- 4855.5-4857 Sandstone, very fine grained, tan, light brown, good sorting, sub-angular to sub-rounded, calcareous in part, calcite and silica cement, appears tight - possible streaks poor porosity; light brown stain, dull yellow-whitish yellow fluorescence with greenish cast, slow persistent light yellow cut; bleeding oil and gas from fractures (30-45°).
- 4857-4858 Sandstone, as above, tight spotty stain, fractures.
- 4858-4859.5 Sandstone, very fine grained, tan, well sorted, sub-rounded, calcite and silica cement; light brown stain, dull yellow-yellow fluorescence with greenish cast, good strong whitish yellow cut; vertical fracture bleeding oil and gas.
- 4859.5-4863.5 Sandstone, very fine grain; grades to Siltstone, light gray, shaley in part; some isolated staining, spotty light whitish yellow fluorescence, cut as above.
- 4863.5-4865 Sandstone, very fine grained, tan, good sorting, silty, appears primarily tight, possible poor porosity; tan to light brown stain, bright light yellow fluorescence, good strong whitish yellow cut; vertical fractures bleeding OSG.
- 4865-4867.3 Sandstone, very fine grained, occasionally fine grained, good sorting, silty in part, silica and calcite cement, streaks fair porosity; good light brown stain, dull yellow-yellow fluorescence with greenish cast, good cut, as above.
- 4867.3-4868.5 Sandstone, very fine grained, tight, spotty stain, dull yellow-yellow fluorescence, fair whitish yellow cut.

- 4868.5-4870 Sandstone fragments, very fine-fine grained, good sorting, calcite and silica cement, fairly tight, streaks poor-fair porosity; good brown stain, fluorescence and cut, as above.
- 4870-4880 Sandstone, fine grained, occasionally very fine grained, tan, clear, good sorting, primarily loose quartz grains and small clusters, streaks fair-good porosity; light tan to light brown stain, bright bluish white and yellow fluorescence, fair light yellow to whitish yellow cut.
- 4880-4900 Shale, light-medium gray, gray-brown, tan, sub-platy, waxy in part, silty; spotty dull yellow fluorescence, slow light yellow cut - Oil Shale; @ 4890 streaks Siltstone-very fine grained Sandstone, light gray, argillaceous, slightly calcareous, appears tight.
- 4900-4910 Limestone, cryptocrystalline, dark brown, brown, argillaceous; grades to Marl; dull yellow fluorescence, light yellow-yellow cloudy cut. Shale, as above.
- 4910-4920 Limestone, as above; grades to Marl; scattered dull yellow-gold fluorescence, cut as above. Shale, as above.
- 2nd DOUGLAS CREEK 4922 (+696)
- 4920-4930 Sandstone, very fine-fine grained, white, tan, slightly calcareous, sub-rounded, well cemented with silica, no visible porosity; scattered light yellow-yellow fluorescence with greenish cast, light whitish yellow to yellow cut; influx Shale, reddish tan, tan, limey; dull yellow fluorescence, fair light yellow cut - cavings?
- 4930-4940 Sandstone, very fine-fine grained, light gray-gray, white, fair sorting, silica cement, appears tight; trace pale tan stain, scattered yellow to dull yellow fluorescence, fair light yellow-yellow cut.
- 4940-4950 Shale, gray-tan, chunky, waxy, very sandy in part; Sandstone, as above; trace stain, fluorescence and cut, as above.
- 4950-4960 Limestone, micro-cryptocrystalline, tan, cream, earthy in part, argillaceous; scattered light yellow, primarily dull yellow fluorescence, fair-good light yellow cut.
- 4860-4970 Sandstone, very fine-fine grained, light gray, clear, brown, fair sorting, sub-angular; scattered brown stain, dull yellow fluorescence with greenish cast,

slow weak light yellow cut; streaks Shale, pale gray, cream, sub-waxy, silty in part.

- 4970-4980 Shale, brown, gray-brown, chunky, moderately calcareous; scattered dull yellow-gold fluorescence, slow whitish yellow cloudy cut - Oil Shale.
- 4980-5000 Shale, pale gray-green, light to medium gray, platy, waxy, calcareous; streaks Shale, as above; fluorescence and cut as above - Oil Shale.
- 5000-5010 Sandstone, very fine grained, white, light gray, silty, calcareous in part; no stain, trace dull yellow fluorescence, slow faint light yellow cut; streaks Shale, pale green, pale gray to gray, sub-waxy.
- 5010-5020 Shale, pale gray, gray-green, gray-tan, waxy, calcareous.
- 5020-5030 Shale, gray-tan, sub-platy, calcareous.
- 5030-5040 Shale, dark brown, gray-brown, moderately calcareous - Oil Shale; streaks Limestone, cryptocrystalline, light brown, argillaceous; scattered dull yellow and gold fluorescence, bright whitish yellow cut.

GREEN MARKER 5064 (+554)

- 5040-5070 Limestone, as above; fluorescence and cut, as above; Shale, as above.
- 5070-5080 Shale, gray-tan, light gray, gray-green, waxy in part, silty streaks; occasional streaks Siltstone-very fine grained Sandstone, light gray-white, argillaceous, calcareous; no stain, no fluorescence, faint cloudy cut.
- 5080-5090 Shale, as above; increased Siltstone-very fine grained Sandstone, as above; occasional spotty fluorescence, cut as above; increased Shale, reddish brown, light tan, chunky, limey in part; spotty dull yellow fluorescence with greenish cast, slow streaming light yellow cut to cloudy cut; - Oil Shale - cavings?
- 5090-5100 Shale, pale gray, light gray-tan, pale green, sub-waxy, calcareous in part, limey streaks; Shale, reddish brown, as above; no fluorescence, slow faint cloudy cut - Oil Shale.
- 5100-5110 Shale, brown, cream, light gray, silty; streaks Siltstone-very fine grained Sandstone, light gray, tan, light brown; no fluorescence, pale yellow cloudy cut.

5110-5120 Shale, as above, becomes very silty; increased streaks Siltstone-very fine grained Sandstone, as above; fluorescence and cut, as above.

5120-5130 Sandstone, very fine grained, light gray-tan, gray-brown, good sorting, appears tight; scattered dull yellow fluorescence, fair slow bluish white cut.

5130-5140 Sandstone, as above; stain, fluorescence and cut, as above; increased Shale, pale gray, waxy, silty in part.

5140-5150 Shale, pale gray-green, waxy; abundant Siltstone-very fine grained Sandstone, light gray, argillaceous, calcareous; no fluorescence to trace dull yellow, faint coloration.

G-3 SAND 5158 (+460)

5150-5158 Sandstone, very fine-fine grained, brown, light gray, buff, appears tight; trace light brown, tan stain, no fluorescence, fairly slow cloudy cut; Shale, as above.

CORE NO. 2: 5158-5169 (5178-5214 Log) Depths not adjusted. Cut 11'. Recovered 11'.

5158-5168 Shale, gray-dark gray, brittle, slightly to moderately calcareous, occasionally silty, fractured.

5168-5169 Sandstone, very fine grained, light gray, well sorted, sub-rounded to sub-angular, argillaceous and calcite cement; Shale laminations near base, appears tight; spotty brown stain, yellow fluorescence with greenish cast, rapid cloudy cut.

CORE NO. 3: 5169-5205 (5178-5214 Log) Depths not adjusted. Cut 36'. Recovered 37+'.

5169-5169.5 Shale, light gray, gray, waxy; Siltstone and very fine grained Sandstone, wavy laminations.

5169.5-5171 Shale, light gray, gray; thin Siltstone laminations.

5171-5172 Shale, as above; abundant Siltstone-very fine grained Sandstone laminations.

5172-5182.3 Shale, as above; Siltstone laminations common; @ 5177-78 vertical fracture, no show; @ 5178 increased Siltstone laminations.

G-4 SAND 5184 (+434)

- 5182.3-5189.5 Sandstone, very fine grained, occasionally fine grained, good sorting, sub-angular to sub-rounded, primarily tight, streaks poor-fair porosity; dark brown stain, good bright light yellow-yellow fluorescence, some light yellow-bluish white fluorescence; instant good light yellow to yellow cut. Vertical Fractures: 5182+-5185.5; 5188-5189.5.
- 5189.5-5191 Siltstone-very fine grained Sandstone, light gray; interbedded Shale, gray, no show.
- 5191-5201.7 Sandstone, very fine-fine grained, good sorting, sub-angular to sub-rounded, streaks possible poor-fair porosity; dark brown stain, good light yellow fluorescence and instant light yellow-yellow cut. Vertical fractures.
- 5201.7-5203.3 Siltstone-very fine grained Sandstone, light gray, gray, tight - thin Shale interbeds; occasional spotty brown stain, fluorescence and cut, as above.
- 5103.3-5205 Shale, gray-brown, light gray, very silty.
- 5205-5210 Shale, light gray, mottled gray brown.
- 5210-5220 Shale, pale gray, lumpy, waxy, silty in part, dolomitic; streaks Siltstone-very fine grained Sandstone, clear, white, fair-good sorting, sub-rounded, tight, cavings.
- 5220-5230 Siltstone-very fine grained Sandstone, light gray, clear, sub-angular, fair sorting, silty, tight; Shale, as above.
- 5230-5240 Shale, light gray, light grayish tan, waxy, dolomitic, occasionally silty and sandy.
- 5240-5250 Shale, as above; influx Sandstone, very fine grained, clear, light gray, sub-rounded, fair sorting, no show - uphole cavings common.
- 5250-5260 Shale, pale gray, gray-tan, waxy, sub-platy, occasionally silty; streaks Siltstone, light gray-tan, argillaceous, calcareous.
- 5260-5280 Shale, gray-brown, chunky, occasionally silty, dolomitic in part; @ 5280 influx uphole cavings.
- 5280-5300 Shale, dark brown, brown, chunky, slightly dolomitic, cavings, as above.

- 5300-5330 Shale, pale gray, light gray-cream, sub-waxy, silty in part.
- 5330-5350 Shale, dark brown, brown, sub-platy, slightly carbonaceous, silty in part; @ 5330 Shale as above becomes moderately calcareous.
- BLACK SHALE FACIES 5368 (+250)
- 5350-5370 Shale, dark gray, brown, sub-platy, blocky, moderately calcareous with limey streaks, dolomitic; thin laminations Limestone, cryptocrystalline, dark brown, argillaceous, dolomitic, dense.
- CORE NO. 4: 5370-5323 (5374-5427 Log) Depths not adjusted. Cut 53'. Recovered 53'.
- 5370-5385 Shale, dark gray, moderately calcareous, streaks gray-brown, limey, scattered disseminated pyrite and carbonaceous streaks, rare gas bubbles from horizontal bedding planes @ 5370-5374, spotty stains @ 5374.
- 5385-5400 Shale, as above, slightly to moderately calcareous, occasionally pyritic, rare carbonaceous material, thin vertical fractures filled with calcite, trace oil stain @ 5399.
- 5400-5409 Shale, dark gray-gray, dark gray-brown; thin Siltstone laminations, rare thin pyrite laminations, non calcareous to calcareous, microfractures filled with calcite @ 5402-04, spotty oil stain @ 5406 with occasional gas bubbles from bedding.
- 5409-5416 Shale, medium gray, blocky, silty in part, sharp, siliceous?
- 5416-5423 Shale, as above, interbedded with dark gray, gray-brown Shale.
- 5423-5430 Shale, dark gray, chunky, sub-platy, slightly calcareous - uphole cavings common.
- 5430-5440 Shale, dark gray, black, brown, sub-platy, slightly calcareous to limey; influx Shale, dull orange, blocky, chunky, dolomitic, cavings?
- 5440-5470 Shale, light brown, gray-brown, sub-waxy, slightly calcareous, occasionally silty; @ 5450 influx Shale, dull orange, blocky, very dolomitic, cavings?
- 5470-5480 Shale, light-medium brown, dark gray-brown, trace dark gray-black, dolomitic in part.



- 5480-5500 Shale, dark gray-black, gray-brown, brown, dolomitic in part.
- 5500-5520 Shale, dark gray-black, gray-brown, platy, chunky, dolomitic, soft; @ 5510 influx Shale, dull orange, blocky, dolomitic, cavings?
- 5520-5540 Shale, dark brown, brown, slightly dolomitic, calcareous, soft; @ 5510 influx Shale, dull orange, blocky, dolomitic, cavings?
- CARONATE MARKER 5541 (+77)
- 5540-5550 Shale, as above; Limestone, crypto-microcrystalline, tan, light brown, dolomitic, argillaceous; Shale, as above.
- 5550-5560 Shale, light-medium gray, gray-brown, platy, sub-waxy, silty in part.
- 5560-5570 Shale, as above; influx Shale, dull orange, argillaceous, dolomitic; grades to Marl; dull yellow fluorescence, trace bright yellow fairly strong light yellow cut, cavings?
- 5570-5590 Shale, light-medium gray, sub-waxy, slightly calcareous in part; influx Sandstone, very fine grained, light grayish white, sub-angular, occasionally fine grained, silty streaks, primarily loose quartz grains; streaks Marl, as above.
- B-1 SANDSTONE 5590 (+28)
- 5590-5600 Sandstone, very fine grained, clear, occasionally fine grained, rounded to sub-rounded, good sorting, possible poor porosity; trace spotty light tan stain, slow weak light whitish yellow cut.
- 5600-5610 Shale, dark gray-brown, brown, dolomitic; streaks Siltstone-very fine grained Sandstone, clear, light gray, well sorted, sub-angular, appears tight; trace fluorescence and cut, as above.
- 5610-5630 Shale, light gray-tan, pale gray, sub-waxy; abundant Siltstone-very fine grained Sandstone, light gray, tan, argillaceous, calcareous, primarily loose quartz grains. Very poor sample.
- B-2 SANDSTONE 5633 (-15)
- 5630-5640 Sandstone, very fine-fine grained, clear, light grayish white, occasionally medium grained, fair-good

sorting, sub-angular to sub-rounded; no apparent stain, light yellow and bluish white fluorescence, fairly slow persistent light yellow cut.

- 5640-5650 Sandstone, as above, fine-medium grained, sub-angular, fair sorting, possible poor porosity, no stain, bluish white fluorescence, slow faint light yellow cut; streaks Shale, gray-tan, chunky, silty in part.
- 5650-5660 Shale, dark gray, brown, black, slightly calcareous to limey.
- 5660-5670 Shale, pale gray, grayish white, light gray-tan, chunky, silty and dolomitic in part; streaks Siltstone, light gray, argillaceous, calcareous, tight.
- 5670-5700 Shale, gray-tan, pale gray, silty, slightly calcareous; occasional streaks Siltstone, as above.
- 5700-5720 Shale, pale gray-medium gray, occasionally gray-green, sub platy, dolomitic in part.
- 5720-5730 Shale, as above; streaks Siltstone, light gray, argillaceous, dolomitic.
- 5730-5750 Sandstone, very fine-fine grained, white, light gray, sub-rounded, fair sorting, calcite and clay cement, no visible porosity, no show.
- 5750-5770 Siltstone-very fine grained Sandstone, white, light gray, good sorting, sub-angular, appears tight; thin streaks Limestone, cryptocrystalline, orange, dolomitic, argillaceous. Poor sample.
- 5770-5780 Shale, gray-tan, brown, pale green, sub-waxy; Siltstone-very fine grained Sandstone, as above. Poor sample.
- 5780-5800 Sandstone, very fine grained, as above; Shale, as above, abundant mushy material, cream to pale tan, bentonite? Very poor sample.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-096550
2. Name of Operator Equitable Resources Energy Company, Balcon Oil Division	6. If Indian, Allottee or Tribe Name n/a
3. Address and Telephone No. P.O. Box 21017, Billings, MT 59104 (406) 259-7860	7. If Unit or CA, Agreement Designation Jonah Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NW SE Section 11, T9S, R16E 1970.9' FSL, 2031.5' FEL	8. Well Name and No. Balcon Monument Federal #33-117
	9. API Well No. 43-013-31451
	10. Field and Pool, or Exploratory Area Monument Butte/Green River
	11. County or Parish, State Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Report of First Production
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

First production on this well was on 7-25-94 at 4 p.m.

14. I hereby certify that the foregoing is true and correct

Signed Robbie Schuman

Regulatory and  
Title Environmental Specialist

Date 7-26-94

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

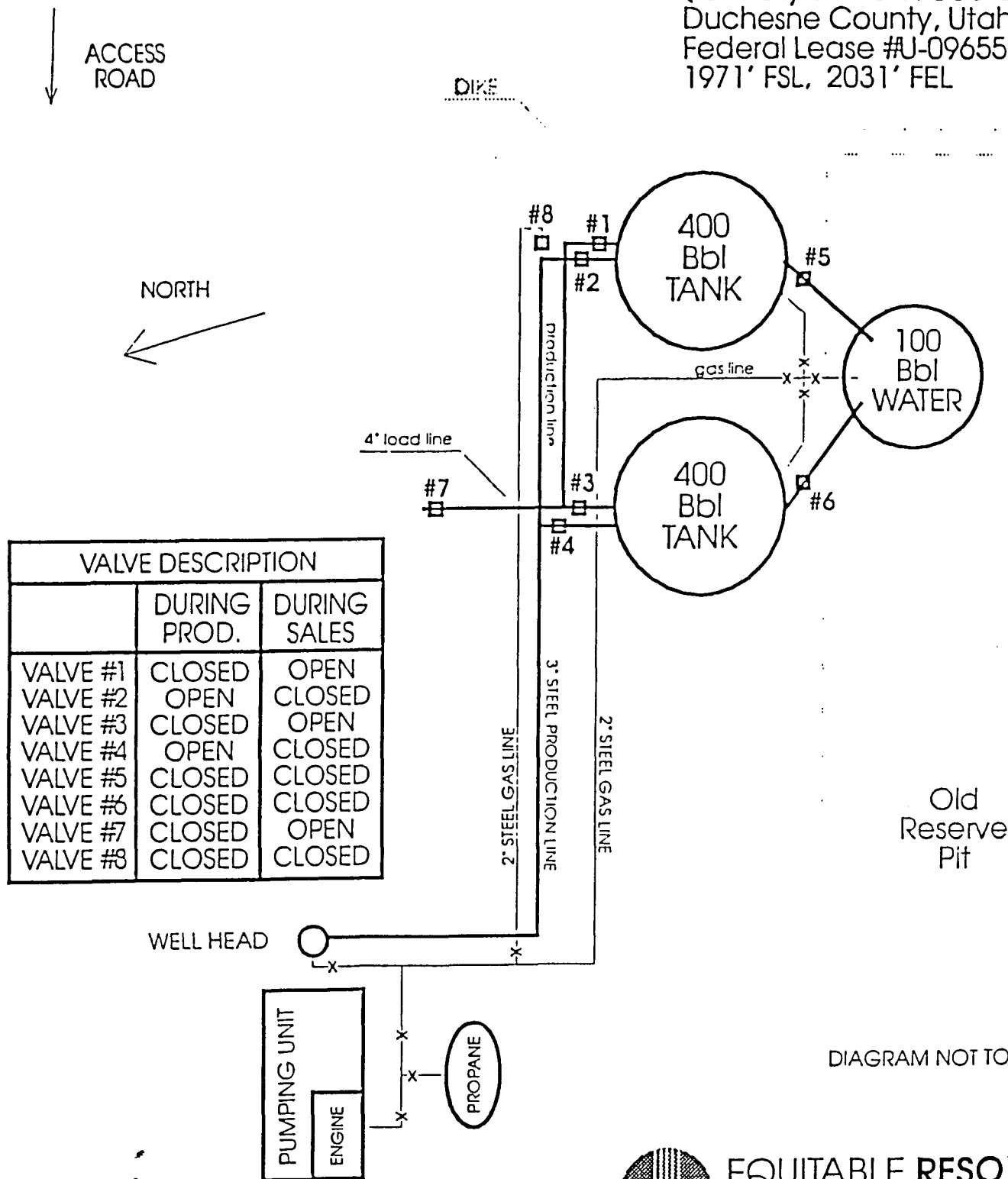
Title \_\_\_\_\_

Date \_\_\_\_\_

Equitable Resources Energy Company  
 Balcron Monument Federal 33-11J  
 Production Facility Diagram

EXHIBIT "J"

Balcron Monument Federal 33-11J  
 NW SE Sec. 11, T9S, R16E  
 (formerly Walton Federal 3)  
 Duchesne County, Utah  
 Federal Lease #J-096550  
 1971' FSL, 2031' FEL



Old Reserve Pit

DIAGRAM NOT TO SCALE



**EQUITABLE RESOURCES  
 ENERGY COMPANY**

BALCRON OIL DIVISION

1601 Lewis Avenue  
 P.O. Box 21017  
 Billings, MT 59104-1017  
 (406) 259-7860

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

## REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Balcron Monument Federal #33-11JAPI number: 43-013-314512. Well Location: QQ NW SE Section 11 Township 9S Range 16E County Duchesne3. Well operator: Equitable Resources Energy Company, Balcron Oil DivisionAddress: P.O. Box 21017Billings, MT 59104Phone: (406) 259-78604. Drilling contractor: Union DrillingAddress: Drawer 40Buckhannon, WV 26201Phone: (304) 472-4610

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
		No measurable water encountered during drilling operations.	

6. Formation tops:

Geological report submitted separately.

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 8-19-94Name & Signature: Bobbie SchumanBobbie SchumanTitle: Regulatory and  
Environmental Specialist

DAILY OPERATING REPORT

BALCROON MONUMENT FEDERAL #33-11J

Location: NW SE Section 11, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

7-25-94 Completion  
Well started pumping @ 4 p.m. 4.5 SPM, 85" stroke.  
Joe Ivie is contract pumper.

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #33-11J

Location: NW SE Section 11, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

6-19-94 TD: 1,830' (1,229') Day 3  
Formation: Green River  
MW 8.3 VIS 26 pH air & mist  
Present Operation: Drilling  
Drill, survey, & clean on rig.  
DC: \$16,414 CC: \$52,170

6-20-94 TD: 2,974' (1,144') Day 4  
Formation: Green River  
MW 8.3 VIS 26 pH Air & Mist  
Present Operation: TOH.  
Drill, survey, clean on rig. Pull 15 stds & try to  
unplug bit.  
DC: \$15,306 CC: \$67,476

6-21-94 TD: 3,630' (656') Day 5  
Formation: Green River  
MW 8.3 VIS 26  
Present Operation: Drilling  
Trip for plugged bit, blow back to btm. Drill, survey,  
& clean on rig. PU 3 drill collars.  
DC: \$9,816 CC: \$77,292

6-22-94 TD: 4,241' (611') Day 6  
Formation: Yellow Zone  
MW 8.3 VIS 26  
Present Operation: Drilling  
Drill, survey, blow hole, circ hole w/fluid. Trip for  
bit. Drill, survey & clean on rig.  
DC: \$9,091 CC: \$86,383

6-23-94 TD: 4,840' (599') Day 7  
Formation: Yellow Zone  
MW 8.3 VIS 26  
Present Operation: Prepare to TOH.  
Drill, survey, clean on rig, & circ btms up. Trip for  
Core #1.  
DC: \$9,143 CC: \$95,526

## DAILY OPERATING REPORT

### BALCRON MONUMENT FEDERAL #33-11J

Location: NW SE Section 11, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

1970.9' FSL, 2031.5' FEL

PTD: 5,800' Formation: Green River

Jonah Unit / Monument Butte

Elevations: 5608.2' GL

Contractor: Union Drilling #17

Operator: Balcron/EREC

Spud: 6-17-94

Casing: 8-5/8", 24#, J-55 @ 276.45'

5-1/2", 15.5#, J-55 @ 5791.57' KB

Tubing: 2-7/8", 6.5#, J-55 @ 5274.82' KB

6-6-94 Start location. Cut off hole marker on old well & weld marker plat on 3' below GL.

6-7/9-94 Work on location & pit.

6-10-94 Drill holes & load pit.

6-11-94 Shoot pit.

6-13-94 Finish pit.

6-15-94 Install pit liner.

DC: \$18,880

CC: \$18,880

6-17-94 TD: 292' (292') Day 1

Formation: Uintah

MW Air & Mist

Present Operation: TOH.

MIRU. Drill hole & set conductor pipe. Drill 12-1/4" hole, blow hole & TOH.

DC: \$7,160

CC: \$26,040

6-18-94 TD: 601' (309') Day 2

Formation: Uintah

MW air & mist

Present Operation: Drilling

ND air head, pull conductor. Run 6 jts 8-5/8" csg as follows:

Guide Shoe .60'

1 jt 8-5/8", 24#, Shoe Jt 44.28'

Insert Float -----

5 jts 8-5/8", 24#, J-55 221.65'

266.45'

Landing Jt 10.00'

Csg landed @ 276.45'

Cmt by Western w/165 sxs Class "G" w/2% CCL & 1/4#/sx Celoflakes.

5 bbl cmt back to pit. Plug down @ 8 a.m. NU & test BOP. TIH, drill cmt, survey, change air head rubber, & drill.

DC: \$9,716

CC: \$35,756



DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #33-11J

Location: NW SE Section 11, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

6-19-94 TD: 1,830' (1,229') Day 3  
Formation: Green River  
MW 8.3 VIS 26 pH air & mist  
Present Operation: Drilling  
Drill, survey, & clean on rig.  
DC: \$16,414 CC: \$52,170

6-20-94 TD: 2,974' (1,144') Day 4  
Formation: Green River  
MW 8.3 VIS 26 pH Air & Mist  
Present Operation: TOH.  
Drill, survey, clean on rig. Pull 15 stds & try to unplug bit.  
DC: \$15,306 CC: \$67,476

6-21-94 TD: 3,630' (656') Day 5  
Formation: Green River  
MW 8.3 VIS 26  
Present Operation: Drilling  
Trip for plugged bit, blow back to btm. Drill, survey, & clean on  
rig. PU 3 drill collars.  
DC: \$9,816 CC: \$77,292

6-22-94 TD: 4,241' (611') Day 6  
Formation: Yellow Zone  
MW 8.3 VIS 26  
Present Operation: Drilling  
Drill, survey, blow hole, circ hole w/fluid. Trip for bit. Drill,  
survey & clean on rig.  
DC: \$9,091 CC: \$86,383

6-23-94 TD: 4,840' (599') Day 7  
Formation: Yellow Zone  
MW 8.3 VIS 26  
Present Operation: Prepare to TOH.  
Drill, survey, clean on rig, & circ btms up. Trip for Core #1.  
DC: \$9,143 CC: \$95,526

6-24-94 TD: 5,042' (202') Day 8  
Formation: not reported  
MW 8.4 VIS 26  
Present Operation: Drilling  
TOOH, PU 60' core bbl. TIH, core 30', core bbl jammed. TOH LD 30'  
of core. TIH & drill. Core #1: 4840'-4870'. Top connection on  
inner core bbls unscrewed. Btm dropped down & jammed.  
DC: \$9,562 CC: \$105,088

## DAILY OPERATING REPORT

### BALCRON MONUMENT FEDERAL #33-11J

Location: NW SE Section 11, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

6-25-94 TD: 5,202' (160') Day 9  
Formation: Green Zone  
MW 8.4 VIS 26  
Present Operation: Coring  
Drill, survey, circ, trip for Core #2. TIHw/core bbl, core 11', quit cutting so trip out 5158'-5169'. Change core head, TIH & start cutting 8 to 10 min/ft. Add weight & start cutting 3 to 4 min/ft.  
DC: \$8,361 CC: \$113,449

6-26-94 TD: 5,416' (214') Day 10  
Formation: Green River  
MW 8.4 VIS 26  
Present Operation: Coring  
Coring, TOH, LD Core #3 (5169'-5205'). TIH w/bit & drill to 5370', TOH & PU core bbl. TIH & start coring Core #4 @ 5370'.  
DC: \$9,016 CC: \$122,465

6-27-94 TD: 5,766' (350') Day 11  
Formation: Green River  
MW 8.4 VIS 26  
Present Operation: Drilling  
Coring, TOH LD core & core bbl. TIH w/bit & drill, survey, work on pit & drill ahead. "The Wind Blew".  
DC: \$13,768 CC: \$136,233

6-28-94 TD: 5,800' (34') Day 12  
Formation: Green River  
MW 8.4 VIS 26  
Present Operation: Prepare to cmt.  
Drill, circ, TOOH for logs. Log well. TIH, LD drill pipe & collars. Test 5-1/2 csg rams to 2000# - OK. Run 5-1/2" csg, circ, & cmt as follows:

Guide Shoe	.60'
1 jt 5-1/2", 15.5# Shoe Jt	42.80'
Float collar	1.00'
134 jts 5-1/2", 15.5# J-55	5738.11'
Landing Jt	9.00'
Csg set @	5791.51'
PBTD @	5747.11'

Cmt by Western w/240 sxs Super "G" w/additives. Tail w/243 sxs 50-50 POZ w/additives. Plug down @ 11 a.m. 6-28-94. ND, set slips, clean mud tank & release rig @ 11 a.m. 6-28-94.  
DC: \$66,713 CC: \$202,946

# DAILY OPERATING REPORT

**BALCRON MONUMENT FEDERAL #33-11J**

**Location:** NW SE Section 11, T9S, R16E

**Duchesne County, Utah**

---TIGHT HOLE---

6-30-94      Completion

Prepare to TIH w/plug & packer. MIRU Cannon Well Service. PU bit  
& scraper & TIH to PBTD. Circ hole w/2% KCL wtr. TOH, run CBL  
w/1000#. Good bond. Perf 5191'-95' & 5200'-08' (4 SPF). SDFN.  
DC: \$21,370 CC: \$224,316

7-1-94      Completion

TIH w/BP & packer. Set BP @ 5248', pull upp & let packer swing at 5147'. Breakdown w/2% KCL wtr. Break good @ 1600#. Get rate of 8.2 BPM @ 2400#. Drop balls & slow to 6 BPM. Get good ball action & ten ball off. Release pressure & let balls fall off. Get 6.5 BPM @ 1800#. Shut down, ISIP 500#, 5 min vac. Start swabbing FL @ 600'. Load to recover 68 bbls. Swabbed total of 61 bbls. Last 2 hrs made 2 pulls/hr & recovered 2-1/2 bbls/hr w/5% oil cut & small amount of gas. SWIFN.

DC: \$4,545

CC: \$228,861

7-2-94      Completion

TP - 15#. FL @ 3600'. First pull 9 bbls 65% oilc ut. Swab 5 hrs, 2 pull/hr. Last 2 hrs 1/4 bbl/pull 4 to 5% oil, good gas. Total swabbed 16-1/2 bbls. SWI WO frac crew on 7-6-94.  
DC: \$\$\$

DC: \$??

7-6-94      Completion

Heat one tank of wtr for frac job. Release packer & TOOH. Western is a little late. RU Western & frac 5191'-95' & 5200'-08' w/36,800# sand w/15,960 gals fluid. ATP 1900#, ATR 30 BPM. Instant SIP 1800#. SWIFN.

DC: \$33,325

CC:\$262,186

7-7-94 Completion

CP - 0 psi. TIH w/retrieving tool, 2-7/8" x 4' sub, HD packer, SN & 157 jts 2-7/8" tbgs, tag sand @ 5094' KB. Circ down to BP @ 5248' KB. Set packer @ 5140' KB. Made 30 swab runs, recovered 180 bbls fluid, 1/2 BO & 179-1/2 BW, good gas. Last 10 runs fluid level stable @ 2500', last 2 runs 3% oil. SWIFN.

DC: \$3,999

CC: \$266,185

# DAILY OPERATING REPORT

## BALCRON MONUMENT FEDERAL #33-11J

Location: NW SE Section 11, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

7-8-94 Completion  
CP - 0, TP - 75 psi. Tag fluid @ 1500' from surface. Release packer, tag sand @ 5210' KB. Circ down to BP @ 5248' KB. Release BP, try to reset BP @ 4956' KB, would not set, TOO H w/tbg & tools. RU Schlumberger to perf 4861'-64' & 4868'-83' KB (4 SPF). RD Schlumberger. TIH w/BP, retrieving tool, 2-7/8" x 4' sub, 5-1/2" HD packer, SN & 152 jts 2-7/8" tbg. Set BP @ 4952' KB, set packer @ 4848' KB. Made 4 swab runs. No fluid entry. SWIFD.  
DC: \$5,993 CC: \$272,178

7-11-94 Completion  
CP - 0, TP - 0. RU Western to do KCL breakdown on 4861'-64' & 4868'-83' w/3,654 gals 2% KCL. ATP 3300 psi, max 4800 psi. ATR 4.5 BPM, max 6 BPM. ISIP 1700 psi. TOO H w/tbg & packer. RU Western to sand frac same intervals w/53,640# 16/30 mesh sand w/19,130 gals 2% KCL gelled wtr. ATP 2500 psi, max 2830 psi. ATR 30.4 BPM, max 30.7 BPM. ISIP 2000 psi, 5 min 1460 psi, 10 min 1370 psi, 15 min 1210 psi. SWIFN.  
DC: \$28,546 CC: \$300,724

7-12-94 Completion  
CP - vac. TIH w/retrieving head, 2-7/8" x 4' sub, HD packer, SN & 148 jts 2-7/8" tbg. Tag sand @ 4830' KB. Circ down to BP @ 4956' KB, set packer @ 4848' KB. Made 29 swab runs, recovered 174 BW, trace oil. Last 6 runs, FL stable @ 2400', good gas. Release packer, tag sand @ 4930' KB. Circ down to BP @ 4956' KB. Release BP. TOH w/tbg & tools. SWIFN.  
DC: \$2,055 CC: \$302,779

7-13-94 Completion  
CP - 0 psi. Install 3M well head. TIH w/production sting as follows:

	<u>LENGTH</u>	<u>DEPTH KB</u>
1 jt 2-7/8" EUE J-55, 8RD, 6.5#	32.50'	
1 Perf Sub 2-7/8" x 4'	4.12'	
1 Seat Nipple	1.10'	
13 jts 2-7/8" EUE J-55, 8RD, 6.5#	422.13'	
1 Tbg Anchor 2-1/2" x 5-1/2 (Trico)	2.35'	
148 jts 2-7/8" EUE J-55, 8RD, 6.5#	4802.62'	4812.62'
Union Drilling KB	10.00'	

ND BOP. Set tbg anchor w/20" tension. TIH w/rod production string as follows:

1 - BHP 2-1/2" x 1-1/2" x 16' RWAC w/PA Plunger, #1061 (Trico)  
208 - 3/4" x 25' D-61 Slick Rods  
2 - 3/4" x 8' Ponies  
1 - 3/4" x 2' Pony  
1 - 1-1/4" x 22' SM Polish Rod  
Clamp rods off. RDMO.

DC: \$19,446

CC: \$322,225

(November 1983)  
(formerly 9-330)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT **DUPLICATE\***

(See other instructions on reverse side)

Budget Bureau No. 1004-  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: ☒ OIL WELL ☐ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_  
b. TYPE OF COMPLETION: ☒ NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ REPAIR ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR  
Equitable Resources Energy Company, Balcon Oil  
3. ADDRESS OF OPERATOR  
P.O. Box 21017, Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any special instructions)  
At surface 1970.9' FSL, 2031.5' FEL  
At top prod. interval reported below  
At total depth

DIVISION OF  
OIL, GAS & MINING

14. PERMIT NO. 43-013-31451 DATE ISSUED 5-9-94

5. LEASE DESIGNATION AND SERIAL NO. U-096550  
6. IF INDIAN, ALLOTTEE OR TRIBE n/a  
7. UNIT AGREEMENT NAME Jonah Unit  
8. FARM OR LEASE NAME Balcon Monument Federal  
9. WELL NO. #33-11J  
10. FIELD AND POOL, OR WILDCAT Monument Butte/Green River  
11. SEC., T., R., S., OR BLOCK AND A OR AREA NW SE Section 11, T9S, R16E

15. DATE STUDDED 6-17-94 16. DATE T.D. REACHED 6-28-94 17. DATE COMPL. (Ready to prod.) 7-25-94 18. ELEVATIONS (OF, AKB, RT, OR, ETC.)\* 5608.2' GL 19. ELEV. CASINGHEAD n/a  
20. TOTAL DEPTH, MD & TVD 5800' 21. FLUID, BACK T.D., MD & TVD 5747.11' 22. IF MULTIPLE COMPL., HOW MANY\* na/ 23. INTERVAL DRILLED BY Sfc - Tr 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 5200' - 4861' Green River 25. WAS WELL CORED? No

26. TYPE ELECTRIC AND/OR LOGS RUN DCL - MSFL - CNL - GR - Caliper - CHL 7-1-94 mud log 27. WAS WELL CORED? Yes

28. CASING RECORD (Report all strings set in well)  
CASING SIZE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE CEMENTING RECORD AMOUNT FULL  
8-5/8" 24# 276.45' KB 12-1/4" 165 sxs "G" + additives None  
5-1/2" 15.5# 5791.57' KB 7-7/8" 240 sxs Super "G" and tail None  
243 sxs 50-50 POZ + additives.

29. LINER RECORD 30. TUBING RECORD  
SIZE TOP (MD) BOTTOM (MD) BACKS CEMENT\* SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD)  
N/A 2-7/8" 5274.82' KB r/a

31. PERFORATION RECORD (Interval, size and number)  
5200' - 5208' (4 SPF)  
5191' - 5195' (4 SPF)  
4868' - 4883' (4 SPF)  
4861' - 4864' (4 SPF)  
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED  
Please see attachment.

33. PRODUCTION  
DATE FIRST PRODUCTION 7-25-94 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 1-1/2" Insert Pump WELL STATUS (Producing or shut-in) Producing  
DATE OF TEST 7-31-94 HOURS TESTED 24 CHOKES SIZE n/a PROD'N. FOR TEST PERIOD 76.62 OIL—BBL. N.M. WATER—BBL. 18.32 GAS—OIL RATIO N.M.  
FLOW, TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE 76.62 OIL—BBL. N.M. WATER—BBL. 18.32 OIL GRAVITY-API (CORR) 34

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel. TEST WITNESSED BY Dale Griffin

35. LIST OF ATTACHMENTS  
Acid, shot, fracture, & cement squeeze information.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED Bobbie Schuman TITLE Regulatory and Environmental Specialist DATE 8-19-94

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

38. GEOLOGIC MARKERS					
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	TOP	
				NAME	MEAS. DEPTH TRUE VERT. DEPTH
			No DST's run.	Geological report submitted separately.	

August 19, 1994

Balcron Monument Federal #33-11J  
NW SE Section 11, T9S, R16E  
Duchesne County, Utah  
Attachment for Completion Report

Acid, Shot, Fracture, Cement Squeeze, Etc.

<u>Depth Interval</u>	<u>Amount and Kind of Material Used</u>
4861' - 4864'	3654 gallons 2% KCL water. Frac w/53,640# 16/30 mesh sand w/19,130 gallons % KCL gelled water.
5191' - 5208'	36,800# 16/30 mesh sand w/15,960 gallons @5 KCL gelled water.

/mc

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-096550
2. Name of Operator Equitable Resources Energy Company, Balcron Oil Division	6. If Indian, Allottee or Tribe Name n/a
3. Address and Telephone No. P.O. Box 21017, Billings, MT 59104 (406) 259-7860	7. If Unit or CA, Agreement Designation Jonah Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NW SE Section 11, T9S, R16E 1970.9' FSL, 2031.5' FEL	8. Well Name and No. Balcron Monument Fed. #33-11J
	9. API Well No. 43-013-31451
	10. Field and Pool, or Exploratory Area Monument Butte/Green River
	11. County or Parish, State Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Onshore Order #7
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Any water produced by this well will be held in a produced water tank and trucked to a commercial disposal facility. The primary facility to be used is the R.N. Industries produced water disposal facility located in Section 9, T2S, R2W in Duchesne County, Utah. A copy of the State-issued permit for that facility is on file at the Vernal Bureau of Land Management. If for some reason the operator is unable to use this primary disposal facility, the produced water will be trucked to another State-approved disposal facility. If applicable, Operator has received approved Right-of-Way access to this well location for the Vernal Bureau of Land Management.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman Title Regulatory and Environmental Specialist Date 8-19-94

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side



# ROUTINE CORE ANALYSIS

**Balcron Oil Company  
Monument Butte 33-11J Well  
Duchesne County, Utah**

**Prepared for:**

**BALCRON OIL COMPANY  
1601 Lewis Avenue  
Billings, Montana 59104**

PLEASE LEAVE  
ROUTINE CORE  
ANALYSIS  
ONLY ON THIS  
SIDE. THANKS!

**CONFIDENTIAL**

**September 1994  
TR94-5696**

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## **TerraTek**

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**TerraTek, Inc.**  
University Research Park  
400 Wakara Way  
Salt Lake City, Utah 84108 U.S.A.

**ROUTINE CORE ANALYSIS**

**Balcron Oil Company  
Monument Butte 33-11J Well  
Duchesne County, Utah**

43-013-31451  
Sec 11, T9S, R16E

**Prepared for:**

**BALCRON OIL COMPANY  
1601 Lewis Avenue  
Billings, Montana 59104**

**RECEIVED**

SEP 26 1994

**DIVISION OF  
OIL, GAS & MINING**

**CONFIDENTIAL**

**Prepared by:**

**TerraTek, Inc.  
University Research Park  
420 Wakara Way  
Salt Lake City, Utah 84108**

**September 1994  
TR94-5696**

# 1 INTRODUCTION

## 1.1 Core Summary

Diamond coring equipment and water based drilling mud were used in the Monument Butte 33-11J well, located in Duchesne County, Utah, to obtain four-inch diameter cores. The intervals and formation cored are listed below in Table 1-1.

**Table 1-1**  
**Core Interval Summary**

Core Number	Depth Interval	Formation
1	4840' - 4870'	Green River
-	4870' - 5158'	Drilled Interval
2	5158' - 5169'	Green River
3	5169' - 5206.7'	Green River
-	5206.7' - 5370'	Drilled Interval
4	5370' - 5423'	Green River

A representative of TerraTek, Inc. was at well site to retrieve the cores and prepare them for transport to the TerraTek laboratory in Salt Lake City, Utah, for analysis. Residual core fluids were preserved by wrapping the core with plastic film.

The following routine core analysis tests were performed as requested: total core gamma log, fluid saturations, porosity, grain density, and permeability. These tests were performed on full diameter samples (where possible), obtained from non-shale intervals designated by Balcron Oil personnel. Intervals not suitable for full diameter testing were analyzed using plug samples. A total of 20 full diameter samples and 21 plug samples were tested.

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**TerraTek**

University Research Park  
420 Wakara Way • Salt Lake City, Utah 84108  
Telephone (801) 584-2480  
FAX (801) 584-2432

## 1.2 Distribution of Final Reports

Routine core analysis reports for the Balcron Monument Butte 33-11J well were distributed as follows:

**Table 1-2**  
**Distribution of Final Reports**

Number of Reports	Recipient	Company Contact
4	Balcron Oil P.O. Box 21017 Billings, MT 59104	Keven Reinschmidt
1	Balcron Oil 275 County Road 120 Craig, CO 81625	Dale Griffin
1	Wildrose Resources Corporation 4849 S. Albion Street Littleton, CO 80121	Kathleen L. Cox
1	Key Production Company 1700 Lincoln Street, Suite 2050 Denver, CO 80203-0778	Tom Jordan
2	Alta Energy Company 410 17th Street, Suite 430 Denver, CO 80202	Ken Peters
1	Snyder Oil Corporation 1625 Broadway, Suite 2200 Denver, CO 80202	
2	Trans Republic P.O. Box 3595 Midland, TX 79702	R.F. Bailey

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Number of Reports	Recipient	Company Contact
1	Texaco Exploration & Production P.O. Box 46555 Denver, CO 80201-6555	S.R. Mack
2	Bureau of Land Management Vernal District Office 170 South 500 East Vernal, UT 84078	Ed Forsman
2	State of Utah Division of Oil, Gas, & Mining 355 West North Temple Street 3 Triad Center, Suite 350 Salt Lake City, UT 84180	
1	Utah Geological Survey 2363 South Foothill Boulevard Salt Lake City, UT 84109	

## 2 PROCEDURES

Upon arrival in the laboratory, the cores were laid out on a core rack, the pieces were properly fitted together, and a total core gamma log was recorded. Samples for analysis were prepared from each suitable foot of core within the intervals designated by Balcron Oil Company geologists. Full diameter samples were requested, but not all designated intervals were suitable for full diameter sampling. Plug samples were obtained in place of full diameter samples in those intervals. Full diameter samples were cut from the core using a diamond impregnated saw blade with fresh water as the blade coolant. Horizontal and vertical plug samples were drilled using a diamond coring bit and fresh water.

---

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Fluid saturations were determined by means of the solvent distillation extraction technique using toluene as the extracting solvent. Oil remaining in the samples following the initial extraction phase was removed by cleaning with toluene and CO<sub>2</sub> in a pressurized core cleaner. The clean core samples were dried in a convection oven at 110°C prior to performing porosity and permeability tests.

Porosity values were determined by measuring grain volumes and bulk volumes. Grain volumes were measured in a helium expansion porosimeter using Boyle's law. Bulk volumes were measured by submerged weight in an appropriate liquid of known density using Archimedes' principle of buoyancy. Full diameter sample bulk volumes were measured in water and plug sample bulk volumes were measured in mercury. Grain volume and dry weight values were utilized to determine grain density for each sample.

Horizontal and vertical permeability to nitrogen gas was measured in pressurized Hassler sleeve core holders. Nominal sleeve pressure of 400 psig was applied to prevent gas from leaking around the outside of the sample being tested. Steady-state downstream flow rate, monitored with a calibrated orifice-equipped pressure transducer, was kept as close as possible to 1 cm<sup>3</sup>/sec. A form of Darcy's equation was employed to calculate apparent gas permeability values.

### 3 RESULTS

Results of the tests described above are presented in graphical and tabular form on the following pages. A plot of the total gamma ray activity appears on the enclosed Teklog, along with plots of grain density, horizontal and vertical permeability, porosity, and fluid saturations. Test results are then presented in a table. The data table includes a brief lithological description for each sample. A key to the lithological abbreviations is included. At the end of this report is a permeability versus porosity crossplot.

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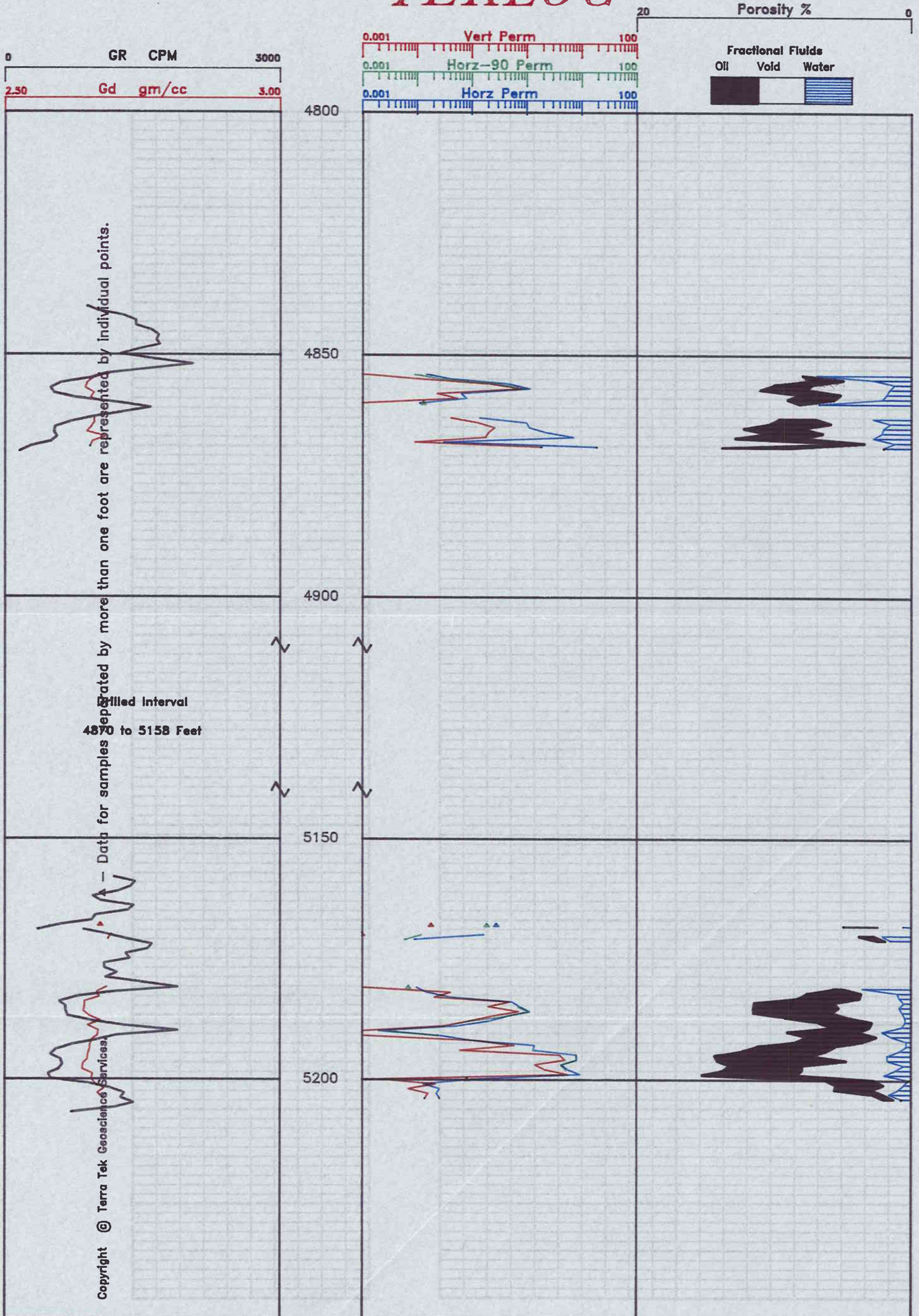
# TERRA TEK GEOSCIENCE SERVICES

360 Wakara Way, SLC Utah 84108 (801) 584-2480

BALCRON OIL  
Monument Butte 33-11J Well

September 19, 1994  
TerraTek No. 5696

## TEKLOG





# TerraTek Geoscience Services®

University Research Park - 360 Wakara Way - Salt Lake City, Utah 84108 - (801) 584-2480 - FAX (801) 584-2408

## BALCRON OIL

Well:	MONUMENT BUTTE 33-11J	State:	UTAH	Date:	24-AUG-1994
Field:	MONUMENT BUTTE	County:	DUCHESNE	TICS File #:	5696
Drilling fluid:	WATER BASE	Location:	Sec.11,T9S,R16E	Elevation:	

## FULL DIAMETER DEAN-STARK ANALYSIS

Sample Number	Depth (feet)	Permeability			Porosity %	Saturation		Grain Density (gm/cc)	Lithology
		Kmax (md)	K-90 (md)	Vert (md)		Oil %	H2O %		
GREEN RIVER FORMATION									
1	4854.0-55.0	.01	<.01	<.01	7.9	0.0	87.0	2.69	Ss,gy,vfgr,calc,slty
2	4855.0-56.0	.04	.03	.01	7.2	31.7	39.1	2.66	Ss,gy,vfgr,calc,slty
3	4856.0-57.0	.46	.29	.21	10.0	27.5	12.4	2.65	VF Ss,gy,vfgr,calc,slty,of
4	4857.0-58.0	1.1	.96	.82	11.0	31.6	14.4	2.65	VF Ss,gy,vfgr,calc,slty,of
5@	4858.0-59.0	.06	NA	.02	8.3	37.5	21.7	2.66	Ss,ltgy,vfgr,calc
6@	4859.0-60.0	.08	NA	.05	9.0	38.0	23.3	2.66	Ss,ltgy,vfgr,calc
7	4860.0-61.0	.01	.01	<.01	8.1	0.0	82.6	2.68	Ss,gy,vfgr,calc,slty
8@	4863.0-64.0	.14	NA	.04	9.7	28.2	29.0	2.66	Ss,gy,vfgr,calc,slty lam
9@	4864.0-65.0	.99	NA	.13	10.3	43.1	14.8	2.66	Ss,gy,vfgr,calc,slty lam
10@	4865.0-66.0	1.1	NA	.26	12.3	35.0	16.5	2.66	Ss,gy,vfgr,calc,slty lam
11@	4866.0-67.0	2.2	NA	.20	10.6	39.1	20.3	2.65	Ss,gy,vfgr,calc,slty lam
12@	4867.0-68.0	7.2	NA	.17	12.9	38.8	21.5	2.68	Ss,gy,vfgr,calc,slty lam,pof
13@	4868.0-69.0	.03	NA	<.01	4.5	24.8	27.2	2.66	Ss,gy,vfgr,calc,slty lam
14@	4869.0-70.0	19.	NA	1.9	13.8	37.2	14.6	2.65	Ss,gy,vf-fgr,calc,slty lam
15	5168.0-69.0	.28	.19	.02	5.0	50.3	11.8	2.67	Ss,gy,vfgr,calc,slty lam
16	5170.0-71.0	.16+	.01	<.01	3.8	28.3	55.3	2.69	Ss,gy,vfgr,calc,slty lam
17	5171.0-72.0	<.01	<.01	<.01	2.5	24.7	59.9	2.69	Ss,gy,vfgr,calc,slty lam

+ - Dehydration crack affecting permeability

VF - Open or partially open vertical fracture affecting permeability

@ - Plug analysis - Not suitable for full diameter sampling



# TerraTek Geoscience Services®

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BALCORN OIL

Date: 24-AUG-1994

TTCS File #: 5696

Well: MONUMENT BUTTE 33-11J

## FULL DIAMETER DEAN-STARK ANALYSIS

Sample Number	Depth (feet)	Permeability			Porosity %	Saturation		Grain Density (gm/cc)	Lithology
		Kmax (md)	K-90 (md)	Vert (md)		Oil %	H2O %		
18	5181.0-82.0	.01	<.01	<.01	5.7	10.9	62.7	2.69	Ss,gy,vfgr,calc,slty lam
19@	5182.0-83.0	.01	NA	.04	7.6	52.6	13.1	2.67	Ss,gy,vfgr,calc
20@	5183.0-84.0	.04	NA	.02	8.3	54.8	10.2	2.67	Ss,gy,vfgr,slty lam,sl/calc
21@	5184.0-85.0	.55	NA	.50	11.4	51.4	4.6	2.65	Ss,gy,vfgr,slty lam,sl/calc
22	5185.0-86.0	.75	.70	.20	11.5	54.3	7.4	2.65	Ss,gy,vfgr,slty lam,sl/calc
23	5186.0-87.0	1.1	1.1	.72	11.5	50.0	5.4	2.64	Ss,gy,vfgr,slty lam,sl/calc,pof
24	5187.0-88.0	.43	.39	.22	9.2	49.6	4.8	2.65	Ss,gy,vfgr,slty lam,sl/calc
25	5188.0-89.0	.21	.09	.09	6.7	57.7	6.3	2.67	Ss,gy,vfgr,slty lam,sl/calc,pof
26@	5189.0-90.0	.05	NA	.03	5.8	47.7	11.7	2.65	Ss,gy,vfgr,slty lam,sl/calc
27	5190.0-91.0	<.01	<.01	<.01	9.1	57.7	23.2	2.67	Ss,gy,vfgr,slty lam,sl/calc
28	5191.0-92.0	.03	.02	<.01	7.7	67.0	19.0	2.67	Ss,gy,vfgr,slty lam,sl/calc
29@	5192.0-93.0	.10	NA	.11	8.4	58.8	4.3	2.66	Ss,gy,vfgr,slty lam,calc
30@	5193.0-94.0	1.4	NA	.59	11.2	50.9	2.8	2.66	Ss,gy,vfgr,calc
31@	5194.0-95.0	1.3	NA	.06	12.3	50.1	6.7	2.65	Ss,gy,vfgr,slty lam,calc
32	5195.0-96.0	8.2	8.0	4.0	14.4	48.7	12.1	2.65	Ss,gy,vf-fgr,slty lam,sl/calc
33	5196.0-97.0	8.3	8.0	5.0	14.2	66.7	12.0	2.65	VF Ss,gy,vf-fgr,sl/calc,pof
34	5197.0-98.0	4.3	4.2	1.4	13.3	40.6	4.0	2.64	Ss,gy,vf-fgr,sl/calc
35	5198.0-99.0	5.7	5.2	2.1	13.7	42.0	8.6	2.64	VF Ss,gy,vf-fgr,sl/calc,pof
36@	5199.0-00.0	9.4	NA	5.6	15.3	45.1	12.8	2.66	Ss,gy,vf-fgr,sl/calc
37	5200.0-01.0	.10	.08	<.01	6.2	56.7	3.0	2.66	Ss,gy,vf-fgr,calc
38@	5201.0-02.0	.01	NA	.02	5.5	63.5	9.4	2.66	Ss,gy,vf-gr,slty lam,calc

VF - Open or partially open vertical fracture affecting permeability

@ - Plug analysis - Not suitable for full diameter sampling

# DESCRIPTION SCHEME FOR CARBONATE SEDIMENTARY ROCKS:

ROCK TYPE, COLOR, GRAIN SIZE / CRYSTAL SIZE, POROSITY TYPE, ACCESSORIES

# DESCRIPTION SCHEME FOR CLASTIC SEDIMENTARY ROCKS:

ROCK TYPE, COLOR, GRAIN SIZE, CEMENT, STRUCTURES AND ACCESSORIES

## KEY TO ABBREVIATIONS:

aff	- anhydrite filled fracture	fos	- fossil(iferous)	pel	- peloids
alt	- altered	frac	- fracture	pff	- pyrite filled fracture
anhy	- anhydrite(ic)	fri	- friable	pis	- pisolitic
arg	- argillaceous	gff	- gouge filled fracture	pk	- pink
bdd	- bedded	glauc	- glauconitic	pof	- partially open fracture
bent	- bentonite	gn	- green	ppvgs	- pinpoint vugs
bf	- buff	gr	- grain(ed)	ptg	- parting(s)
biot	- bioturbated	grnl	- granule	purp	- purple
bit	- bitumen	gy	- gray	pyr	- pyrite(ic)
bl	- blue(ish)	gyp	- gypsum(iferous)	qff	- quartz filled fracture
blk	- black	hem	- hematite(ic)	qtz	- quartz
bnd	- banded	if	- incipient fracture	red	- red
brec	- breccia(ted)	incl	- inclusion	sa	- salty
brn	- brown	intprt	- interparticle	sdv	- sandy
bur	- burrowed	intrprt	- intraparticle	sh	- shale
c	- coarse	intxl	- intercrystalline	shy	- shaley
calc	- calcite(areous)	lam	- laminated	sid	- siderite
carb	- carbonaceous	lav	- lavender	sil	- silica(eous)
cff	- calcite filled fracture	lig	- lignite(ic)	sl/	- slightly
cgl	- conglomerate	ls	- limestone	sltst	- siltstone
chky	- chalky	lt	- light	slty	- silty
chlor	- chlorite	m	- medium	ss	- sandstone
cht	- chert	mar	- maroon	stn	- stain(ed)(ing)
chty	- cherty	mas	- massive	str	- streak
clst	- clast	mdy	- muddy	styl	- stylolite
cly	- clay(ey)	mic	- micro	suc	- sucrosic
clyst	- claystone	mica	- micaceous	tan	- tan
cob	- cobble	mol	- moldic	v/	- very
dism	- disseminated	ms	- mudstone	vc	- very coarse
dk	- dark	mtx	- matrix	vf	- very fine
dff	- dolomite filled fracture	nod	- nodule(s)	vgy	- vuggy
dol	- dolomite(ic)	o	- oil	wh	- white
f	- fine	of	- open fracture	wthrd	- weathered
fen	- fenestral	ool	- oolitic	yel	- yellow
fis	- fissile	org	- organic	xl	- crystalline
		orgng	- orange		
		pbl	- pebble		

# Terra Tek Geoscience Services®

University Research Park - 360 Wakara Way - Salt Lake City, Utah 84108 - (801) 584-2480 - FAX 801-584-2408

## HORIZONTAL PERMEABILITY VS POROSITY

### BALCRON OIL

Monument Butte 33-11J Well  
Monument Butte Field  
Duchesne County, Utah  
September 20, 1994

Depth Interval: 4854 to 5205 Feet  
TerraTek File# 5696

#### Porosity (phi), %

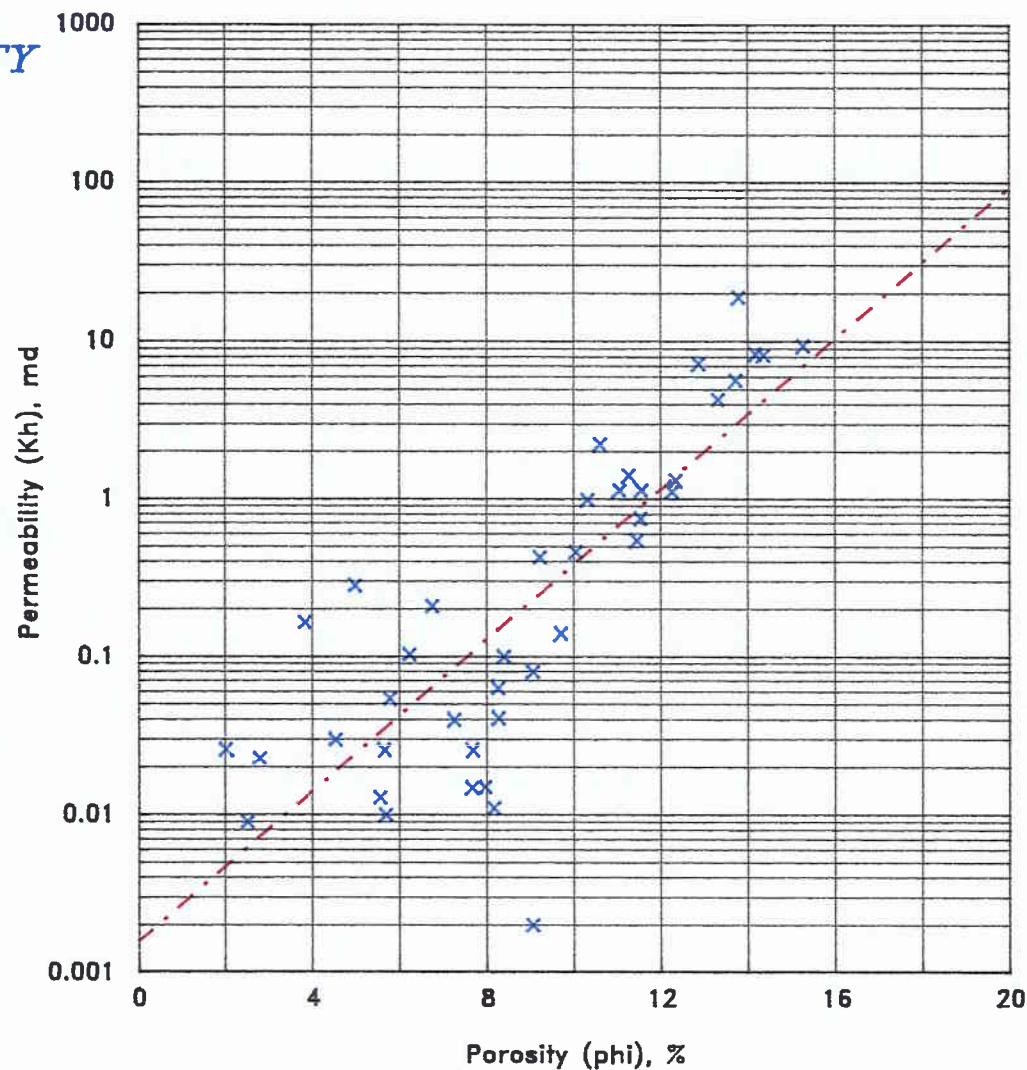
Min	Max	Average
1.999	15.256	8.932

#### Permeability (Kh), md

Min	Max	Geo. Ave
0.002	18.840	0.215

#### Equation of the Line

$\log Kh = \alpha \phi + \beta$   
 $\log Kh = 0.2390 \phi - 2.8023$   
Correlation Coefficient : 0.811  
Green River Formation



**STATE OF UTAH**  
**DIVISION OF OIL, GAS AND MINING**  
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 5 of 11

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

BALCRON OIL DIVISION  
 EQUITABLE RESOURCES ENERGY  
 1601 LEWIS AVE  
 BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890REPORT PERIOD (MONTH/YEAR): 3 / 96AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ MONUMENT FEDERAL 14-5								
4301331385	11492	09S 17E 5	GRRV					
✓ MONUMENT FEDERAL 24-12J								
4301331409	11492	09S 16E 12	GRRV					
✓ BALCRON MONUMENT FEDERAL 31-1J								
4301331413	11492	09S 16E 1	GRRV					
✓ MONUMENT FEDERAL 32-1J								
4301331414	11492	09S 16E 1	GRRV					
✓ BALCRON MONUMENT FEDERAL 33-11J								
4301331451	11492	09S 16E 11	GRRV					
✓ BALCRON MONUMENT FEDERAL 42-12J								
01331486	11492	09S 16E 12	GRRV					
✓ BALCRON MONUMENT FEDERAL 41-12J								
4301331487	11492	09S 16E 12	GRRV					
✓ BALCRON MONUMENT FEDERAL 12-7J								
4301331493	11492	09S 17E 7	GRRV					
✓ FEDERAL 24-3Y								
4301331397	11493	09S 17E 3	GRRV					
✓ FEDERAL 14-4								
4304715678	11500	08S 25E 4	GRRV					
✓ E. RED WASH 1-5								
4304720174	11500	08S 25E 5	GRRV					
✓ E. RED WASH FED 1-12								
4304720207	11500	08S 24E 12	GRRV					
✓ E. RED WASH FED 1-6								
4304720208	11500	08S 25E 6	GRRV					
<b>TOTALS</b>								

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

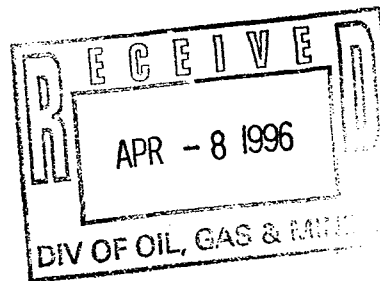
**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

March 22, 1996

Utah Division of Oil, Gas and Mining  
355 West North Temple  
Salt Lake City, UT 84180



Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

*Bobbie Schuman*  
Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosures

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: See attached listing

2. Name of Operator:  
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:  
1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well  
Footages: See attached listing

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:  
See attached listing

6. If Indian, Allottee or Tribe Name:  
n/a

7. Unit Agreement Name:  
See attached listing

8. Well Name and Number:  
See attached listing

9. API Well Number:  
See attached listing

10. Field and Pool, or Wildcat:  
See attached listing

County: See attached list

State: UTAH

### 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

#### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

#### SUBSEQUENT REPORT (Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon *                                    | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                                | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                              | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Convert to Injection                         | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                    | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Operator name change</u> |   |

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

### 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

13. Name & Signature: Bobbie Schuman  
Bobbie Schuman

Title: Regulatory and Environmental Specialist Date: March 27, 1996

(This space for State use only)

UTAH

Balcron Monument Fed. #32-1J	Monument Butte	SW NE	1	9S	16E	Duchesne	UT	Oil	Green River	U-33992	43-013-31414	2143' FNL, 1987' FEL	Vernal	Jonah
Balcron Monument Fed. #32-25	Undesignated	SW NE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32524	1980' FNL, 1980' FEL	Vernal	
Balcron Monument Fed. #33-11J	Monument Butte	NW SE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-31451	1971' FSL, 2032' FEL	Vernal	Jonah
Balcron Monument Fed. #33-25	Undesignated	NW SE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32525	2097' FSL, 2067' FEL	Vernal	
Balcron Monument Fed. #33-6	Monument Butte	NW SE	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31361	1832' FSL, 1829' FEL	Vernal	Jonah
Balcron Monument Fed. #33-8	Monument Butte	NW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31427	1980' FSL, 1980' FEL	Vernal	Beluga
Balcron Monument Fed. #34-10J	Monument Butte	SW SE	10	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31416	592' FSL, 1979' FEL	Vernal	Jonah
Balcron Monument Fed. #34-25	Undesignated	SW SE	25	8S	17E	Uintah	UT	PND	Green River	U-67845		800' FSL, 2100' FEL	Vernal	
Balcron Monument Fed. #34-7	Monument Butte	SW SE	7	9S	17E	Duchesne	UT	PND	Green River	UTU-72106	43-013-31426	810' FSL, 1736' FEL	Vernal	
Balcron Monument Fed. #41-12J	Monument Butte	NE NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-44426		395' FNL, 476' FEL	Vernal	Jonah
Balcron Monument Fed. #41-14J	Monument Butte	NE NE	14	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31408	363' FNL, 600' FEL	Vernal	Jonah
Balcron Monument Fed. #41-15	Monument Butte	NE NE	15	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31367	460' FNL, 500' FEL	Vernal	Jonah
Balcron Monument Fed. #41-17	Monument Butte	NE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31466	660' FNL, 660' FEL	Vernal	Beluga
Balcron Monument Fed. #41-26	Monument Butte	NE NE	26	8S	17E	Uintah	UT	PND	Green River	U-67845	43-047-32456	660' FNL, 500' FEL	Vernal	
Balcron Monument Fed. #42-11J	Monument Butte	SE NE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-30066	1992' FNL, 496' FEL	Vernal	Jonah
Balcron Monument Fed. #42-12J	Monument Butte	SE NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521	43-013-31486	2550' FNL, 391' FEL	Vernal	Jonah
Balcron Monument Fed. #42-14J	Monument Butte	SE NE	14	9S	16E	Duchesne	UT	PND	Green River	U-096550	43-013-21491	1882' FNL, 773' FEL	Vernal	Jonah
Balcron Monument Fed. #42-17	Monument Butte	SE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31467	1800' FNL, 700' FEL	Vernal	Beluga
Balcron Monument Fed. #42-18	Monument Butte	SE NE	18	9S	17E	Duchesne	UT	PND	Green River	UTU-72106	43-013-31433	1800' FNL, 800' FEL	Vernal	
Balcron Monument Fed. #42-1J	Monument Butte	SE NE	1	9S	16E	Duchesne	UT	WIW	Green River	U-40652	43-013-31404	2087' FNL, 692' FEL	Vernal	Jonah
Balcron Monument Fed. #42-26	Undesignated	SE NE	26	8S	17E	Uintah	UT	PND	Green River	U-67845		2100' FNL, 660' FEL	Vernal	
Balcron Monument Fed. #42-6	Monument Butte	SE NE	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31364	1806' FNL, 921' FEL	Vernal	Jonah
Balcron Monument Fed. #43-11J	Monument Butte	NE SE	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31002	2127' FSL, 693' FEL	Vernal	Jonah
Balcron Monument Fed. #43-26	Undesignated	NE SE	26	8S	17E	Uintah	UT	PND	Green River	U-67845		1880' FSL, 379' FEL	Vernal	
Balcron Monument Fed. #43-7	Monument Butte	NE SE	7	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31432	1850' FSL, 850' FEL	Vernal	Beluga
Balcron Monument Fed. #44-1J	Monument Butte	SE SE	1	9S	16E	Duchesne	UT	WIW	Green River	U-44426	43-013-31415	338' FSL, 859' FEL	Vernal	Jonah
Balcron Monument State #12-2	Undesignated	SW NW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31481	1980' FNL, 660' FWL		
Balcron Monument State #13-2	Undesignated	NW SW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31482	2210' FSL, 604' FWL		
Balcron Monument State #14-2	Undesignated	SW SW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31425	513' FSL, 787' FWL		
Balcron Monument State #21-2-9-17	Undesignated	NE NW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32703	821' FNL, 2187' FWL		
Balcron Monument State #22-2	Undesignated	SE NW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32610	1980' FNL, 1980' FWL		
Balcron Monument State #23-2	Undesignated	NE SW	2	9S	17E	Uintah	UT	WSW	Green River	ML-45555	43-047-32613	1980' FSL, 1980' FWL		
Balcron Monument State #24-2	Undesignated	SE SW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32612	660' FSL, 1980' FWL		
Balcron Monument State #32-2	Undesignated	SW NE	2	9S	17E	Uintah	UT	PND	Green River	ML-45555	43-047-32609	1980' FNL, 1980' FEL		
Balcron Monument State #34-2	Undesignated	SW SE	2	9S	17E	Uintah	UT	PND	Green River	ML-45555	43-047-32611	800' FSL, 1980' FEL		

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1-LEP 7-SJ
2-DTS 58-FILE
3-VLD (GIL)
4-RJE
5-LEP
6-FILM

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☒ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96)

TO (new operator) <u>EQUITABLE RESOURCES ENERGY COEROM</u> (former operator) <u>EQUITABLE RESOURCES ENERGY CO</u>
(address) <u>1601 LEWIS AVE</u> (address) <u>BALCRON OIL DIVISION</u>
<u>BILLINGS MT 59102-4126</u> <u>1601 LEWIS AVE</u>
phone (406) <u>259-7860</u> phone (406) <u>259-7860</u>
account no. <u>N9890</u> account no. <u>N9890</u>

Well(s) (attach additional page if needed):

Name: <b>**SEE ATTACHED**</b>	API: <u>0111-10000</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). Rec'd 4-4-96 & 4-8-96
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- \* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ (4-10-96)
- See 6. Cardex file has been updated for each well listed above. (4-11-96)
- See 7. Well file labels have been updated for each well listed above. (4-11-96)
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (4-10-96)
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.



### ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (Fee wells only)

# 5578314 (\$80,000) Scheco Ins. Co. (Bond Rider In Progress)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no)   . Today's date                      19  . If yes, division response was made by letter dated                      19  .

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated                      19  , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 4/26/96
- DTS 2. Copies of documents have been sent to State Lands for changes involving State leases.  
Sent to Ed Bounce - Trust Lands

### FILMING

- Yes 1. All attachments to this form have been microfilmed. Date: May 20 1996.

### FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

9/6/04/10 BLM/BIA "Formal approval not necessary"

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company

3. Address and Telephone No.

1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW SE Section 11, T9S, R16E  
1971' FSL, 2032' FEL

5. Lease Designation and Serial No.

U-096550

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah

8. Well Name and No.

Balcron Monument Fed. #33-11J

9. API Well No.

43-013-31451

10. Field and Pool, or Exploratory Area

Monumetrn Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

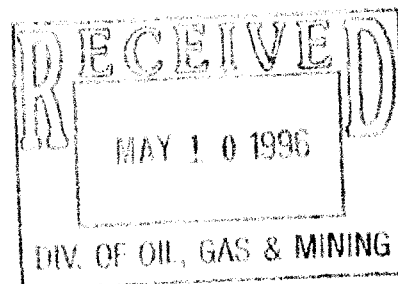
- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other SI status  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Effective November 1, 1995, this well will be in a shut-in status while evaluating the well for possible conversion to injection.

ORIGINAL: Bureau of Land Management (Vernal, UT)  
COPY: Utah Division of Oil, Gas and Mining



14. I hereby certify that the foregoing is true and correct

Signed

Bobbie Schuman  
Bobbie Schuman

Title

Regulatory and  
Environmental Specialist

Date

May 8, 1996

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company

3. Address and Telephone No.

1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW SE Section 11, T9S, R16E  
1971' FSL, 2032' FEL

5. Lease Designation and Serial No.

U-096550

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah

8. Well Name and No.

Balcrorn Monument Fed. #33-11J

9. API Well No.

43-013-31451

10. Field and Pool, or Exploratory Area

Monumetn Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

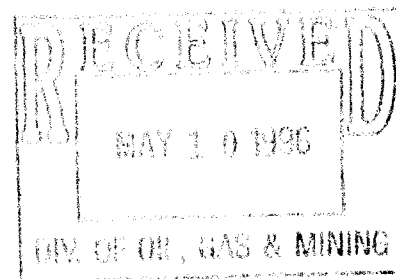
- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other SI status  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Effective November 1, 1995, this well will be in a shut-in status while evaluating the well for possible conversion to injection.

ORIGINAL: Bureau of Land Management (Vernal, UT)  
COPY: Utah Division of Oil, Gas and Mining



14. I hereby certify that the foregoing is true and correct

Signed

*Bobbie Schuman*  
Bobbie Schuman

Title

Regulatory and  
Environmental Specialist

Date

*May 8, 1996*

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

Page 5 of 14

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O CRAZY MTN O&G SVS'S  
EQUITABLE RESOURCES ENERGY  
PO BOX 577  
LAUREL MT 59044

UTAH ACCOUNT NUMBER: N9890REPORT PERIOD (MONTH/YEAR): 9 / 97AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ 4301331413	BALCRON MONUMENT FEDERAL 31-1J	11492 09S 16E 1	GRRV			433992	Gen h (62) Unit	
✓ 4301331414	MONUMENT FEDERAL 32-1J	11492 09S 16E 1	GRRV			"		
✓ 4301331451	BALCRON MONUMENT FEDERAL 33-11J	11492 09S 16E 11	GRRV			4096550		
✓ 4301331486	BALCRON MONUMENT FEDERAL 42-12J	11492 09S 16E 12	GRRV			4035521		
✓ 4301331487	BALCRON MONUMENT FEDERAL 41-12J	11492 09S 16E 12	GRRV			444426		
✓ 4301331493	BALCRON MONUMENT FEDERAL 12-7J	11492 09S 17E 7	GRRV			"		
✓ 4301331397	FEDERAL 24-3Y	11493 09S 17E 3	GRRV			464381		
✓ 4304715678	FEDERAL 14-4	11500 08S 25E 4	GRRV			441376		
✓ 4304720174	E. RED WASH 1-5	11500 08S 25E 5	GRRV			4063597		
✓ 4304720207	E. RED WASH FED 1-12	11500 08S 24E 12	GRRV			4038797		
✓ 4304720208	E. RED WASH FED 1-6	11500 08S 25E 6	GRRV			407439B		
✓ 4304720221	COYOTE 1-12	11500 08S 24E 12	GRRV			458226		
✓ 4304720222	E. RED WASH FED 1-13	11500 08S 24E 13	GRRV			4018073		
TOTALS								

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

## DIVISION OF OIL, GAS AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

County:

State:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT  
(Submit in Duplicate)

- ☐ Abandon ☐ New Construction  
☐ Repair Casing ☐ Pull or Alter Casing  
☐ Change of Plans ☐ Recomplete  
☐ Convert to Injection ☐ Reperforate  
☐ Fracture Treat or Acidize ☐ Vent or Flare  
☐ Multiple Completion ☐ Water Shut-Off  
☒ Other Change of Operator

Approximate date work will start \_\_\_\_\_

SUBSEQUENT REPORT  
(Submit Original Form Only)

- ☐ Abandon ☐ New Construction  
☐ Repair Casing ☐ Pull or Alter Casing  
☐ Change of Plans ☐ Reperforate  
☐ Convert to Injection ☐ Vent or Flare  
☐ Fracture Treat or Acidize ☐ Water Shut-Off  
☒ Other Change of Operator

Date of work completion 9-30-97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was :

Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 1 1997

13.

Name & Signature:

*Chris A. Potter*

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date:

9/30/97

This space for State use only)



# EQUITABLE RESOURCES ENERGY COMPANY

## WESTERN REGION

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

Lisha  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad

Agent for Equitable Resources  
Energy Company

/mc



Crazy Mountain Oil & Gas Services  
P.O. Box 577  
Laurel, MT 59044  
(406) 628-4164  
(406) 628-4165

TO: Lisha  
St of Utah.

FROM. Molly Conrad  
Crazy Mountain Oil & Gas Services  
(406) 628-4164

Pages Attached - Including Cover Sheet 2.

NOTE: Here is the letter you requested.  
Calling you need anything  
further.

## INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
MONUMENT BUTTE #12-12	SWNW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31410-00	UTU096550	UTU72086A
MONUMENT BUTTE #13-5	NWSW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31370-00		UTU72086A
MONUMENT BUTTE #14-12	SWSW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31411-00		UTU72086A
MONUMENT BUTTE #21-14	NENW 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31421-00		UTU72086A
MONUMENT BUTTE #22-5	SENW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31384-00	UTU020252	UTU72086A
✓ MONUMENT BUTTE #22-12J	SENW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15796-00	UTU096550	UTU72086A
MONUMENT BUTTE #23-11	NESW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31369-00	UTU096550	UTU72086A
MONUMENT BUTTE #24-5	SESW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31375-00	UTU020252	UTU72086A
MONUMENT BUTTE #31-7	NWNE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31405-00	UTU72106	UTU72086A
MONUMENT BUTTE #32-11	SWNE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31386-00		UTU72086A
MONUMENT BUTTE #32-12	SWNE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31419-00		UTU72086A
MONUMENT BUTTE #41-14	NENE 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31408-00	UTU096550	UTU72086A
MONUMENT BUTTE #43-11	NESE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31002-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED #13-11J	NWSW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15790-00	UTU096547	UTU72086A
✓ MONUMENT BUTTE FED #31-1J	NW NE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31413-00	UTU33992	UTU72086A
✓ MONUMENT BUTTE FED #33-11J	NWSE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31451-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED #41-12J	NE NE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31487-00	UTU44426	UTU72086A
✓ MONUMENT BUTTE FED #42-11J	SENE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30066-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED #42-12J	SENE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31486-00	UTU035521	UTU72086A
MONUMENT BUTTE FED. #1-13	NWSW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30702-00	UTU18399	UTU72086A
MONUMENT BUTTE FED. #1-33	NWSE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30735-00	UTU52013	UTU72086A
MONUMENT BUTTE FED. #11-6	NWNW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31362-00	UTU020252A	UTU72086A
MONUMENT BUTTE FED. #12-11	SWNW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31417-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #14-5	SWSW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31385-00	UTU020252	UTU72086A
MONUMENT BUTTE FED. #14-11	SWSW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31374-00	UTU096547	UTU72086A
✓ MONUMENT BUTTE FED. #23-5	NESW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31383-00	UTU020252	UTU72086A
MONUMENT BUTTE FED. #23-15	NESW 159S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31373-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #24-6	SESW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31363-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #24-12J	SESW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31409-00	UTU035521A	UTU72086A
✓ MONUMENT BUTTE FED. #32-1J	SWNE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31414-00	UTU33992	UTU72086A
MONUMENT BUTTE FED. #32-15	SWNE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31368-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #33-6	NWSE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31361-00	UTU020252A	UTU72086A
MONUMENT BUTTE FED. #34-10	SWSE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31416-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #41-15	NENE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31367-00	UTU017985	UTU72086A
MONUMENT BUTTE FED. #42-1	SENE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31404-00	UTU40652	UTU72086A
MONUMENT BUTTE FED. #42-6	SENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31364-00	UTU020252A	UTU72086A
MONUMENT BUTTE FED. #44-1J	SESE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31415-00	UTU44426	UTU72086A
✓ MONUMENT FEDERAL #11-7J	NW NW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31492-00	UTU44426	UTU72086A
✓ MONUMENT FEDERAL #12-7J	SWNW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31493-00	U-44426	UTU72086A

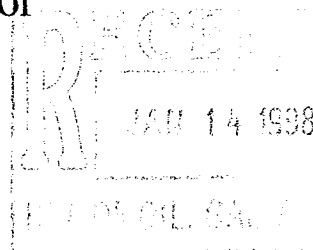




# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



IN REPLY REFER TO  
UT-931

January 13, 1998

Inland Production Company  
475 17th Street, Suite 1500  
Denver, Colorado 80202

Re: Jonah (Green River) Unit  
Duchesne County, Utah

Gentlemen:

On January 13, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Jonah (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective January 13, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Jonah (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Jonah (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)  
**Division of Oil, Gas & Mining**  
Minerals Adjudication Group U-932  
File - Jonah (Green River) Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron  
Fluid Chron

U-931:TAThompson:tt:1/13/98

WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM UTU72086A JONAH (GR) SECONDARY RECOVERY UNIT									
UTU72086A	430131511100S1	1	NWSW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578000S1	1	NWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131577900S1	1	SESE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578900S1	1	SESW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430131579200S1	1	SESE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133070200S1	1-13	NWSW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070300S1	1-14	SWSW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133064600S1	1-23	NESW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070100S1	1-24	SESW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133073500S1	1-33	NWSE	1	9S	16E	WIW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073600S1	1-34	SWSE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073400S1	1-43	NESE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133136200S1	11-6	L4	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149200S1	11-7J	NWNW	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133088900S1	12-1	NWNE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133141700S1	12-11J	SWNW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141000S1	12-12J	SWNW	12	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133061100S1	12-5	SWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058200S1	12-6	SWNW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149300S1	12-7J	SWNW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430131579000S1	13-11J	NWSW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133137000S1	13-5	NWSW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091800S1	13-6	NWSW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133137400S1	14-11	SWSW	11	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133141100S1	14-12J	SWSW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133138500S1	14-5	SWSW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131511200S1	2	NWSE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430131579300S1	2	NWNE	14	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133060300S1	2-1	L1	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
<del>UTU72086A</del>	<del>430133140600X1</del>	<del>21-12J</del>	<del>NENW</del>	<del>12</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU096550</del>	<del>EQUITABLE RESOURCES ENERG</del>
UTU72086A	430133142100S1	21-14J	NENW	14	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
<del>UTU72086A</del>	<del>430133142200X1</del>	<del>21-15J</del>	<del>NENW</del>	<del>15</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU017985</del>	<del>EQUITABLE RESOURCES ENERG</del>
UTU72086A	430133061200S1	21-5	NENW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058400S1	21-6	L3	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579600S2	22-12J	SESW	12	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063400S1	22-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138400S1	22-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091900S1	22-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133136900S1	23-11	NESW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133137300S1	23-15	NESW	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138300S1	23-5	NESW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133055800S1	23-6	NESW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140900S1	24-12J	SESW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063100S1	24-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133137500S1	24-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133136300S1	24-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579100S1	3	NWNW	14	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133061300S1	31-15	NWNE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG

WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
UTU72086A	430133141300S1	31-1J	L2	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133119500S1	31-6	L2	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140500S1	31-7J	NWNE	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133138600S1	32-11	SWNE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141900S1	32-12J	SWNE	12	9S	16E	WIW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133136800S1	32-15	SWNE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141400S1	32-1J	SWNE	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133055900S1	32-6	SWNE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133145100S1	33-11J	NWSE	11	9S	16E	OSI	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063200S1	33-15	NWSE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133136100S1	33-6	NWSE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133141600S1	34-10J	SWSE	10	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133100300S1	34-11	SWSE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058600S1	34-6	SWSE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133074200S1	4	NESW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579500S1	4	SESW	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148700S1	41-12J	NENE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133140800S1	41-14J	NENE	14	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133136700S1	41-15	NENE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133058100S1	41-6	NENE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133006600S1	42-11J	SENE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148600S1	42-12J	SENE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133063300S1	42-15	SENE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133140400S1	42-1J	SENE	1	9S	16E	WIW	UTU40652	EQUITABLE RESOURCES ENERG
UTU72086A	430133136400S1	42-6	SENE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133100200S1	43-11J	NESE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058300S1	43-6	NESE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063000S1	44-10	SESE	10	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141500S1	44-1J	SESE	1	9S	16E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133092600S1	7-A	NENE	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133096100S1	7-C	NENW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG

SECONDARY  
ALLOCATION  
FEDERAL 100.00%

# **OPERATOR CHANGE WORKSHEET**

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

Routing	
1-IEC	6-VLC
2-CH	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-JRB	

- ☒ Change of Operator (well sold)
 ☐ Designation of Agent  
☐ Designation of Operator
 ☐ Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 9-30-97

<b>TO: (new operator)</b> <u>INLAND PRODUCTION COMPANY</u> (address) <u>PO BOX 1446</u> <u>ROOSEVELT UT 84066</u> Phone: <u>(801) 722-5103</u> Account no. <u>N5160</u>	<b>FROM: (old operator)</b> <u>EQUITABLE RESOURCES ENERGY</u> (address) <u>PO BOX 577</u> <u>LAUREL MT 59044</u> <u>C/O CRAZY MTN O&amp;G SVS</u> Phone: <u>(406) 628-4164</u> Account no. <u>N9890</u>
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**WELL(S)** attach additional page if needed:

**\*JONAH (GREEN RIVER) UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>43-013-31451</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

## **OPERATOR CHANGE DOCUMENTATION**

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 12-10-97)*
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 10-13-97)*
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_
- lec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- lec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(1-14-98) \* UIC/Que Hro Pro 1-14-98 & UIC/DBase 1-14-98.*
- lec 6. **Cardex** file has been updated for each well listed above.
- lec 7. Well **file labels** have been updated for each well listed above.
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(1-14-98)*
- lec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

## ENTITY REVIEW

- Yes 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.  
*Entity 11492 "Jonah (GP) Unit"*
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

## BOND VERIFICATION - (FEE WELLS ONLY)

- N/A Yes 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
2. A **copy of this form** has been placed in the new and former operator's bond files.
3. The **FORMER** operator has requested a release of liability from their bond (yes/no)     , as of today's date     . If yes, division response was made to this request by letter dated     .

## LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A Yes 1. Copies of documents have been sent on      to      at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated      19     , of their responsibility to notify all interest owners of this change.

## FILMING

- Yes 1. All attachments to this form have been **microfilmed**. Today's date: 2-3-98.

## FILING

1. **Copies** of all attachments to this form have been filed in each **well file**.
2. The **original of this form**, and the **original attachments** are now being filed in the Operator Change file.

## COMMENTS

980114 BLM/SL Aprv. eff. 1-13-98.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

1. <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>U-096550</b>	
		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME  <b>JONAH</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		8. FARM OR LEASE NAME <b>MONUMENT FEDERAL 33-11J</b>	
3. ADDRESS OF OPERATOR <b>Route 3, Box 3630, Myton Utah 84052 (435-646-3721)</b>		9. WELL NO. <b>33-11-9-16</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NW/SE 1970' FSL, 2031' FEL</b>		10. FIELD AND POOL, OR WILDCAT  <b>MONUMENT BUTTE</b>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>NW/SE Section 11, T09S R16E</b>	
14. API NUMBER <b>43-013-31451</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5608 GL</b>	12. COUNTY OR PARISH <b>DUCHESNE</b>	13. STATE <b>UT</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>		(OTHER) _____	<input type="checkbox"/>
(OTHER) Continue Shut In Status <input checked="" type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Inland is requesting permission to extend the shut in status of the subject well. The well is presently uneconomic to produce at the present pricing and production levels. Inland intends to evaluate the injection profile in the injectors surrounding the subject well and isolate intervals as necessary. The well is isolated with a wellhead and is frequently monitored by an Inland employee to ensure that no leaks exist.

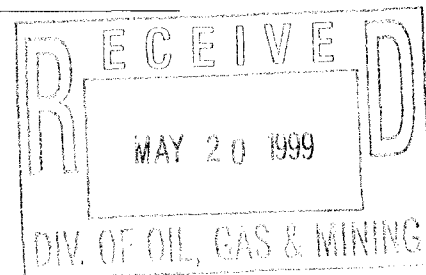
18 I hereby certify that the foregoing is true and correct  
SIGNED [Signature] TITLE District Engineer DATE 5/12/99

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**  
FOR RECORD ONLY

*Federal Approval of this  
Action is Necessary*



(Jun ay

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U-096550**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**JONAH**

8. Well Name and No.

**MONUMENT FED 33-11J**

9. API Well No.

**43-013-31451**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT****SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well    ☐ Gas Well    ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**1970 FSL 2031 FEL NW/SE Section 11, T9S R16E**12. **CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA****TYPE OF SUBMISSION**☐ Notice of Intent☒ Subsequent Report☐ Final Abandonment Notice**TYPE OF ACTION**☐ Abandonment☒ Recompletion☐ Plugging Back☐ Casing Repair☐ Altering Casing☐ Change of Plans☐ New Construction☐ Non-Routine Fracturing☐ Water Shut-Off☐ Conversion to Injection☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is direction-ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Subject well had recompletion procedures initiated in the Green River formation 7/2/03. Existing production equipment was pulled from well. Squeezed existing C sands @ (4861'-4864') and (4868'-4883'). A bit and scraper were run in well. Two new Green River intervals were perforated and hydraulically fracture treated as follows: Stage #1: CP2 sds @ 5634'-5652' and CP1 sds @ 5590'-5597' (all 4 JSPF) fraced down 2 7/8" N-80 tubing with 59,124# 20/40 sand in 471 Bbls Viking I-25 fluid. Stage #2: GB 6 sds @ 4213'-4222', 4227'-4235', and 4237'-4239' (all 4 JSPF) fraced down 5 1/2" casing with 60,810# 20/40 sand in 462 Bbls Viking I-25 fluid. Fracs were flowed back through chokes. Sand was cleaned from Wellbore. New intervals were swab tested for sand cleanup. BHA & production tubing were run in and anchored in well w/ tubing anchor @ 5554', pump seating nipple @ 5589', and end of tubing string @ 5656'. A repaired 1 1/2" bore rod pump was run in well on sucker rods. Well returned to production via rod pump on 7/12/03.

**RECEIVED****JUL 15 2003****DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct

Signed

**Matthew Richmond**

Title

**Production Clerk**

Date

**7/14/2003**

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:





# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare

400 1 102



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas

SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

**OPERATOR CHANGE WORKSHEET****ROUTING**

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change****Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004****FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**TO: ( New Operator):**

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**CA No.****Unit:****JONAH (GREEN RIVER)****WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MONUMENT FED 31-1J	01	090S	160E	4301331413	11492	Federal	OW	P
MONUMENT FED 32-1J	01	090S	160E	4301331414	11492	Federal	OW	P
MON FED 44-1J	01	090S	160E	4301331415	11492	Federal	WI	A
MON FED 34-10J	10	090S	160E	4301331416	11492	Federal	WI	A
MON FED 12-11J	11	090S	160E	4301331417	11492	Federal	WI	A
MONUMENT FED 33-11J	11	090S	160E	4301331451	11492	Federal	OW	P
MONUMENT FED 24-12J	12	090S	160E	4301331409	11492	Federal	OW	P
MON FED 12-12J	12	090S	160E	4301331410	11492	Federal	WI	A
MON FED 14-12J	12	090S	160E	4301331411	11492	Federal	WI	A
MON FED 32-12J	12	090S	160E	4301331419	11492	Federal	WI	A
MON FED 42-12J	12	090S	160E	4301331486	11492	Federal	WI	A
MONUMENT FED 41-12J	12	090S	160E	4301331487	11492	Federal	OW	P
MON FED 41-14J	14	090S	160E	4301331408	11492	Federal	WI	A
MON FED 21-14J	14	090S	160E	4301331421	11492	Federal	WI	A
MONUMENT FED 21-15J	15	090S	160E	4301331422	11492	Federal	NA	PA
MON FED 31-7J	07	090S	170E	4301331405	11492	Federal	WI	A
MON FED 11-7J	07	090S	170E	4301331492	11492	Federal	WI	A
MONUMENT FED 12-7J	07	090S	170E	4301331493	11492	Federal	OW	P
JONAH 6-7	07	090S	170E	4301331987	11492	Federal	WI	A
JONAH 7-7	07	090S	170E	4301331988	11492	Federal	OW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05



January 4, 2011

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
Post Office Box 145801  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Balcron Monument Federal #33-11J-9-16  
Monument Butte Field, Lease #UTU-096550  
Section 11-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Balcron Monument Federal #33-11J-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg".

Eric Sundberg  
Regulatory Lead

**RECEIVED**

**JAN 11 2011**

**DIV. OF OIL, GAS & MINING**

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**BALCRON MONUMENT FEDERAL #33-11J-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-096550**  
**JANUARY 4, 2011**



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STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company  
ADDRESS 1001 17th Street, Suite 2000  
Denver, Colorado 80202

Well Name and number: Balcron Monument Federal 33-11J-9-16  
Field or Unit name: Monument Butte (Green River) Lease No. UTU-096550  
Well Location: QQ NWSE section 11 township 9S range 16E county Duchesne

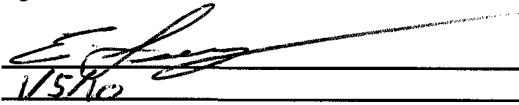
Is this application for expansion of an existing project? ..... Yes [ X ] No [ ]  
Will the proposed well be used for: Enhanced Recovery? ..... Yes [ X ] No [ ]  
Disposal? ..... Yes [ ] No [ X ]  
Storage? ..... Yes [ ] No [ X ]  
Is this application for a new well to be drilled? ..... Yes [ ] No [ X ]  
If this application is for an existing well,  
has a casing test been performed on the well? ..... Yes [ ] No [ X ]  
Date of test: \_\_\_\_\_  
API number: 43-013-31451

Proposed injection interval: from 3995 to 5747  
Proposed maximum injection: rate 500 bpd pressure 1766 psig  
Proposed injection zone contains [ x ] oil, [ ] gas, and/or [ ] fresh water within 1/2  
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should  
accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: Eric Sundberg Signature   
Title Regulatory Lead Date 11/5/10  
Phone No. (303) 893-0102

(State use only)  
Application approved by \_\_\_\_\_ Title \_\_\_\_\_  
Approval Date \_\_\_\_\_

Comments:

# Balcron Mon. Fed. #33-11J-9-16

Spud Date: 6/16/1994  
Put on Production: 7/25/1994  
GL: 5608' KB: 5618'

Initial Production: 51.6 BOPD,  
31.5 MCFD, 8.4 BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 6 jts. (266.45')  
DEPTH LANDED: 276.45'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 165 sxs Class "G" cmt, est 5 bbls cmt to surf.

### PRODUCTION CASING

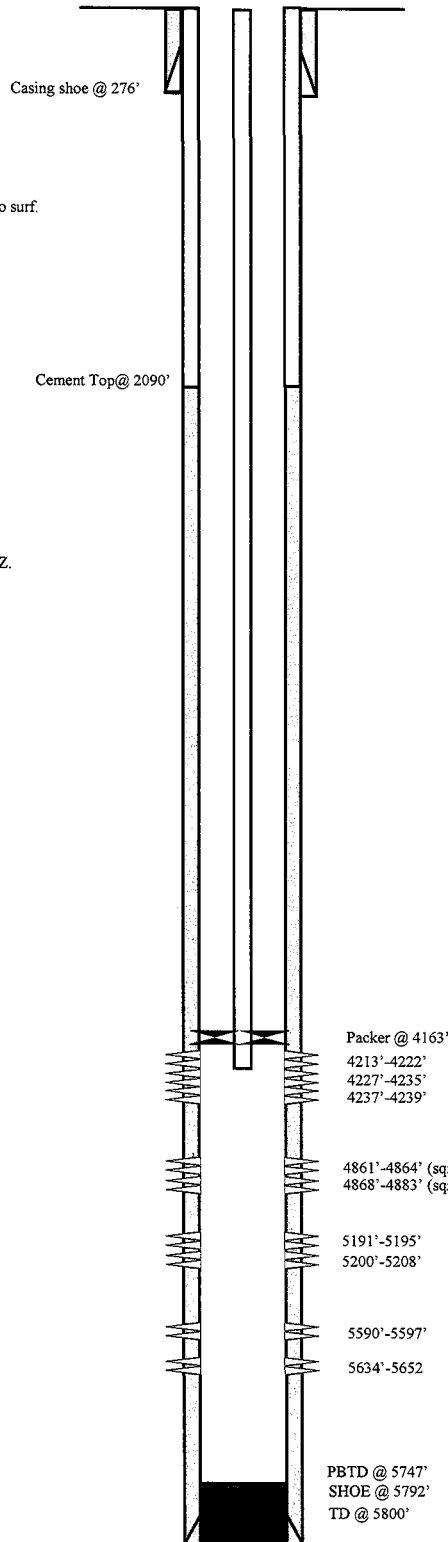
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 135 jts. (5780.91')  
DEPTH LANDED: 5791.51' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 240 sxs Super "G" & 243 sxs 50/50 POZ.  
CEMENT TOP AT: 2090' per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 172 jts (5553.8')  
TUBING ANCHOR: 5563.8' KB  
NO. OF JOINTS: 1 jt (31.5')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5598.1' KB  
NO. OF JOINTS: 2 jts. (65.0')  
TOTAL STRING LENGTH: EOT @ 5665'

### FRAC JOB

7/06/94	5191'-5208'	<b>Frac A3 zone as follows:</b> 36,800# 16/30 sand in 380 bbls Viking I-35 fluid. Treated @ avg press of 1900 psi w/avg rate of 30 BPM. ISIP 1800 psi. Calc. flush: 5191 gal. Actual flush: 5166 gal.
7/11/94	4861'-4883'	<b>Frac C-sd zone as follows:</b> 53,640# 16/30 sand in 469 bbls Viking I-35 fluid. Treated @ avg press of 2500 psi w/avg rate of 30.4 BPM. ISIP 2000 psi. Calc. flush: 4861 gal. Actual flush: 4830 gal.
7/9/03	5590'-5652'	<b>Frac CPI/CP2 sands as follows:</b> 59,124# 20/40 sand in 471 bbls Viking I-25 fluid. Treated @ avg press of 2896 psi w/avg rate of 14 BPM. ISIP 1840 psi. Calc. flush: 1427 gal. Actual flush: 1302 gal.
7/9/03	4213'-4239'	<b>Frac GB6 sands as follows:</b> 60,810# 20/40 sand in 462 bbls Viking I-25 fluid. Treated @ avg press of 1567 psi w/avg rate of 24 BPM. ISIP 1930 psi. Calc. flush: 4211 gal. Actual flush: 4116 gal.
3/27/09		Parted rods. Updated r & t details.
5/3/2010		Pump changed. Updated rod and tubing detail.



### PERFORATION RECORD

7/8/03	4213'-4222'	4 JSPF	36 holes
7/8/03	4227'-4235'	4 JSPF	32 holes
7/8/03	4237'-4239'	4 JSPF	8 holes
7/8/03	5590'-5597'	4 JSPF	28 holes
7/8/03	5634'-5652'	4 JSPF	72 holes
6/30/94	5200'-5208'	4 JSPF	32 holes
6/30/94	5191'-5195'	4 JSPF	16 holes
7/08/94	4868'-4883'	4 JSPF	60 holes
7/08/94	4861'-4864'	4 JSPF	12 holes

**NEWFIELD**

**Balcron Mon. Fed. #33-11J-9-16**  
1970' FSL & 2031' FEL  
NW/SE Section 11-T9S-R16E  
Duchesne Co, Utah  
API #43-013-31451; Lease #UTU-096550

## **WORK PROCEDURE FOR INJECTION CONVERSION**

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

**2.1 The name and address of the operator of the project.**

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

**2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Balcron Monument Federal #33-11J-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

**2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

**2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Balcron Monument Federal #33-11J-9-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (3995' - 5747'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3681' and the TD is at 5800'.

**2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Balcron Monument Federal #33-11J-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-096550) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 276' KB, and 5-1/2", 15.5# casing run from surface to 5792' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1766 psig.

- 2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Balcron Monument Federal #33-11J-9-16, for existing perforations (4213' - 5652') calculates at 0.78 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1766 psig. We may add additional perforations between 3681' and 5800'. See Attachments G and G-1.

- 2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Balcron Monument Federal #33-11J-9-16, the proposed injection zone (3995' - 5747') is in the Garden Gulch to the Castle Peak of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

- 2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-15.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

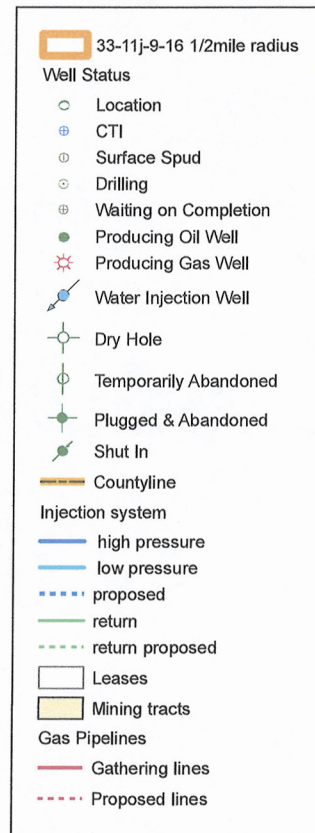
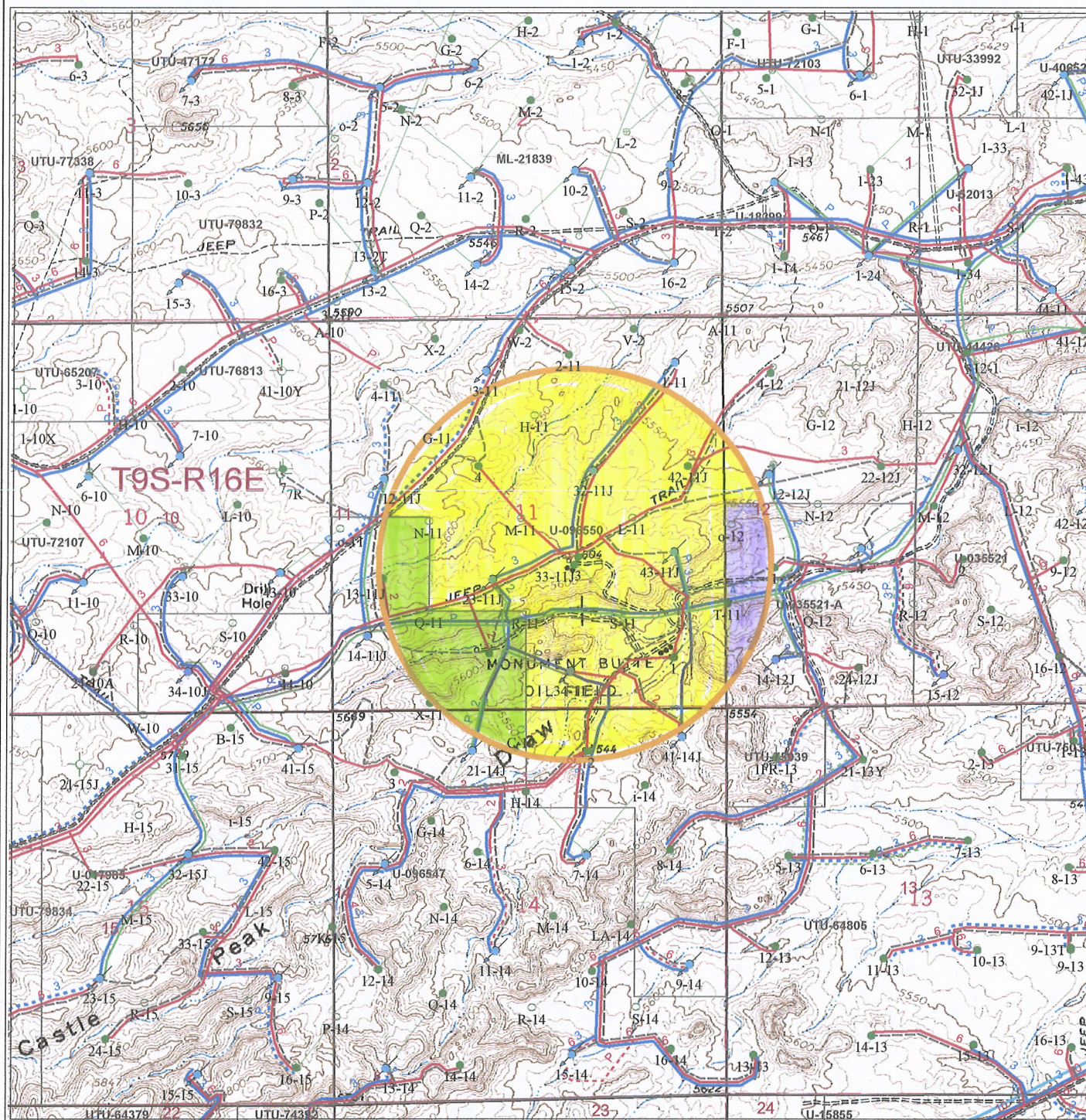
- 2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

- 2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.





UTU-096550

UTU-096547

UTU-035521-A

Monument 33-11j  
Section 11, T9S-R16E



1/2 Mile Radius Map  
Duchesne & Uintah Counties

1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 893-0102

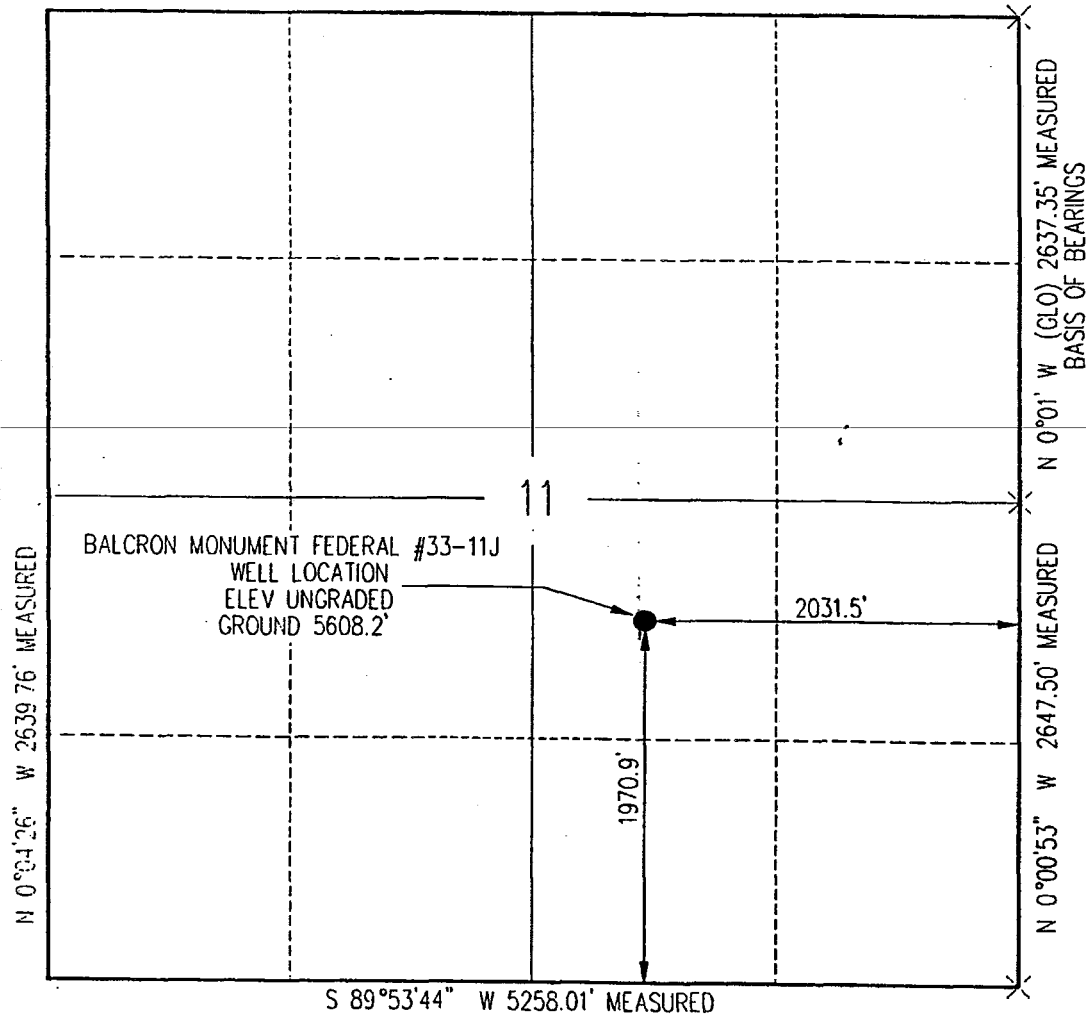
October 5, 2010



EXHIBIT "K"

T9S, R16E, S.L.B. &amp; M.

S 89°56' W (GLO)



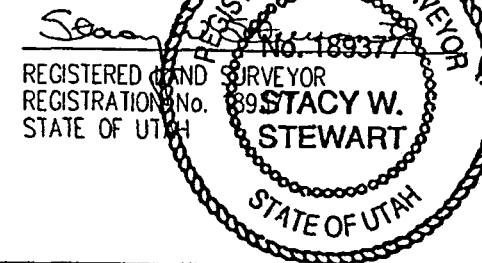
X = SECTION CORNERS LOCATED  
 BASIS OF BEARINGS; G.L.O. PLAT 1911  
 BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FEDERAL  
 #33-11J, LOCATED AS SHOWN IN THE NW 1/4  
 SE 1/4 OF SECTION 11, T9S, R16E, S.L.B. & M,  
 DUCHESNE COUNTY UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF.



WEATHER: STORMY & COLD  
 DATE: 2/10/94  
 SCALE: 1" = 1000'  
 SURVEYED BY: SS CB  
 FILE: MF 33-11J



## EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	<u>T9S,R16E SLM</u> Section 11: N2, NESW, SE Section 12: NW Section 14: N2NE, SENE, NESE	USA UTU-096550 HBP	Newfield Production Company Newfield RMI LLC	USA
2	<u>T9S,R16E SLM</u> Section 11: W2SW, SESW Section 14: SWNE, W2, W2SE, SESE	USA UTU-096547 HBP	Newfield Production Company Newfield RMI LLC	USA
3	<u>T9S,R16E SLM</u> Section 12: SW	USA UTU-035521-A HBP	Newfield Production Company Newfield RMI LLC Carl B. Field Thomas J. Lambert Montana & Wyoming Oil Co. Vaughey & Vaughey Bonnie B. Warne John R. Warne	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Balcron Monument Federal #33-11J-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: \_\_\_\_\_

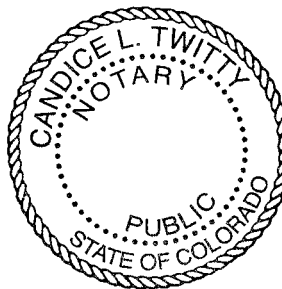
*Eric Sundberg*  
Newfield Production Company  
Eric Sundberg  
Regulatory Lead

Sworn to and subscribed before me this 5<sup>th</sup> day of January, 2011.

Notary Public in and for the State of Colorado: \_\_\_\_\_

*Candice L. Twitty*

My Commission Expires: 02/10/2013



## Balcron Mon. Fed. #33-11J-9-16

Spud Date: 6/16/1994  
Put on Production: 7/25/1994  
GL: 5608' KB: 5618'

Initial Production: 51.6 BOPD,  
31.5 MCFD, 8.4 BWPD

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 6 jts. (266.45')  
DEPTH LANDED: 276.45'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 165 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 135 jts. (5780.91')  
DEPTH LANDED: 5791.51' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 240 sxs Super "G" & 243 sxs 50/50 POZ.  
CEMENT TOP AT: 2090' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 172 jts (5553.8')  
TUBING ANCHOR: 5563.8' KB  
NO. OF JOINTS: 1 jt (31.5')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5598.1' KB  
NO. OF JOINTS: 2 jts. (65.0')  
TOTAL STRING LENGTH: EOT @ 5665'

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM  
SUCKER RODS: 1-2' x 3/4" pony rod, 1-4' x 3/4" pony rod, 1-6' x 3/4" pony rod,  
1-8' x 3/4" pony rod, 109-3/4" guided rods, 57-3/4" sucker rods, 50-3/4" guided  
rods, 6-1 1/2" weight bars  
PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 16' RHAC  
STROKE LENGTH: 74"  
PUMP SPEED, SPM: 5 SPM

FRAC JOB

7/06/94 5191'-5208' **Frac A3 zone as follows:**  
36,800# 16/30 sand in 380 bbls Viking I-35 fluid. Treated @ avg press of 1900 psi w/avg rate of 30 BPM. ISIP 1800 psi. Calc. flush: 5191 gal. Actual flush: 5166 gal.

7/11/94 4861'-4883' **Frac C-sd zone as follows:**  
53,640# 16/30 sand in 469 bbls Viking I-35 fluid. Treated @ avg press of 2500 psi w/avg rate of 30.4 BPM. ISIP 2000 psi. Calc. flush: 4861 gal. Actual flush: 4830 gal.

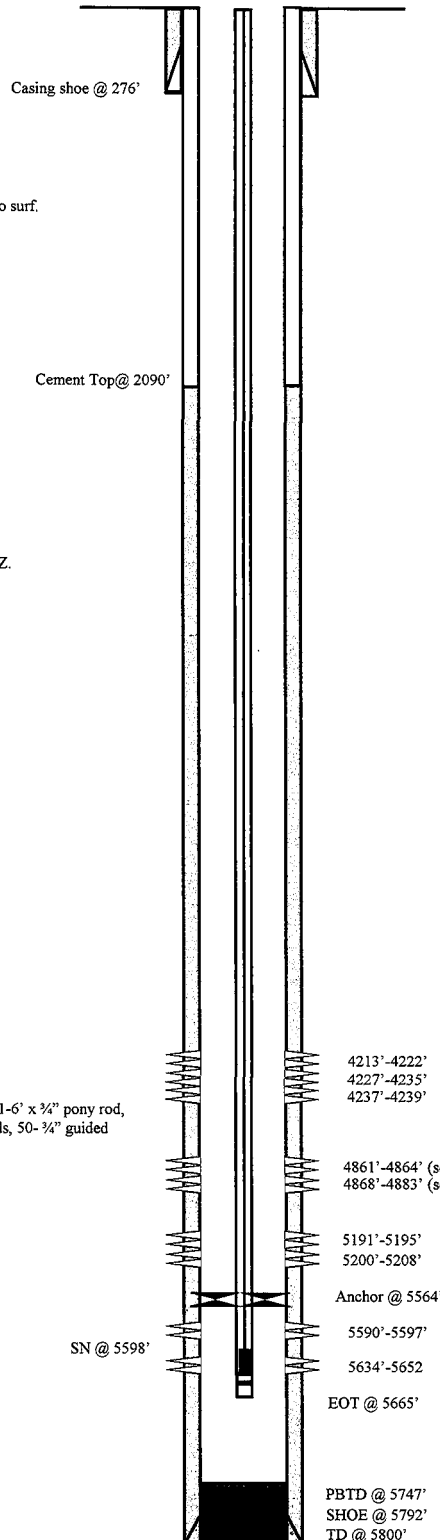
7/9/03 5590'-5652' **Frac CPI/CP2 sands as follows:**  
59,124# 20/40 sand in 471 bbls Viking I-25 fluid. Treated @ avg press of 2896 psi w/avg rate of 14 BPM. ISIP 1840 psi. Calc. flush: 1427 gal. Actual flush: 1302 gal.

7/9/03 4213'-4239' **Frac GB6 sands as follows:**  
60,810# 20/40 sand in 462 bbls Viking I-25 fluid. Treated @ avg press of 1567 psi w/avg rate of 24 BPM. ISIP 1930 psi. Calc. flush: 4211 gal. Actual flush: 4116 gal.

3/27/09 Parted rods. Updated r & t details.  
5/3/2010 Pump changed. Updated rod and tubing detail.

PERFORATION RECORD

7/8/03	4213'-4222'	4 JSPF	36 holes
7/8/03	4227'-4235'	4 JSPF	32 holes
7/8/03	4237'-4239'	4 JSPF	8 holes
7/8/03	5590'-5597'	4 JSPF	28 holes
7/8/03	5634'-5652'	4 JSPF	72 holes
6/30/94	5200'-5208'	4 JSPF	32 holes
6/30/94	5191'-5195'	4 JSPF	16 holes
7/08/94	4868'-4883'	4 JSPF	60 holes
7/08/94	4861'-4864'	4 JSPF	12 holes



NEWFIELD

Balcron Mon. Fed. #33-11J-9-16

1970' FSL &amp; 2031' FEL

NW/SE Section 11-T9S-R16E

Duchesne Co, Utah

API #43-013-31451; Lease #UTU-096550

## Jonah G-11-9-16

Spud Date:-3-11-10  
Put on Production: 4-24-10  
GL:5551' KB:5563'

## Wellbore Diagram

## FRAC JOB

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (308.77')  
DEPTH LANDED: 321.62'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 132jts. 5751.55')  
HOLE SIZE: 7-7/8"  
TOTAL DEPTH: 5764.80'  
CEMENT DATA: 275sxs Prem. Lite II mixed & 350 sxs 50/50 POZ.  
CEMENT TOP AT: 90'

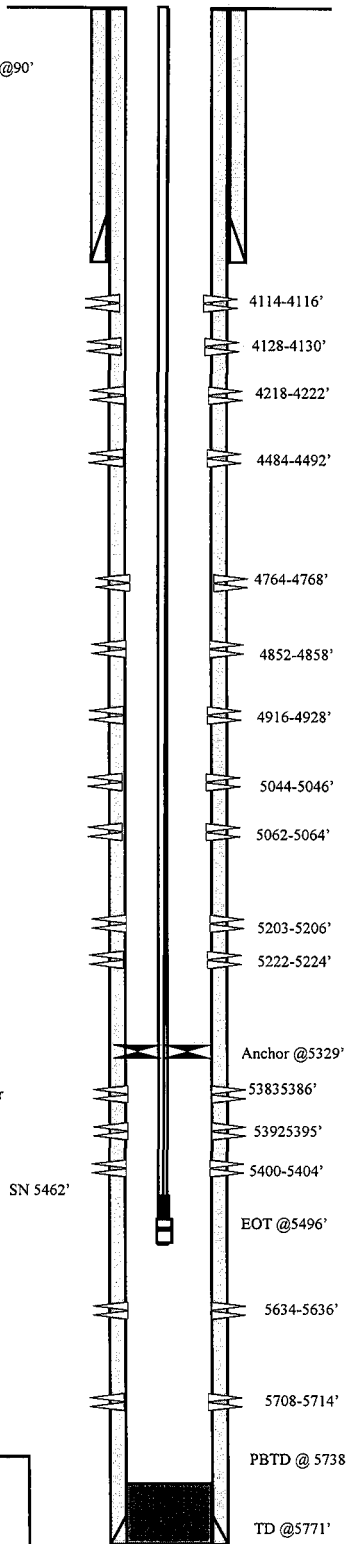
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 169jts (5315.9')  
TUBING ANCHOR: 5328.9'  
NO. OF JOINTS: 1jts (31.5')  
SEATING NIPPLE: 2-7/8" (1.1')  
SN LANDED AT: 5363.3' KB  
NO. OF JOINTS: 1jts (31.5')  
TOTAL STRING LENGTH: EOT @ 5496'

SUCKER RODS

POLISHED ROD: 1-1/2" x 30'  
SUCKER RODS: 1-2x 7/8 pony rod, 1-4x 7/8 pony rod, 210- 7/8" 8per guided rods, 4- 1 1/2" weight bars.  
PUMP SIZE: 2 1/2 x 1 3/4 x 24" RHAC  
STROKE LENGTH: 144  
PUMP SPEED: SPM 6

Cement Top @90'



4-24-10 5634-5714' **Frac CP1 & CP2 sands as follows:**  
Frac with 30293# 20/40 sand in 257bbbs Lightning 17.

4-24-10 5392-5404' **Frac LOCD as Follows:**Frac with 50541# 20/40 sand in 3161bbbs Lightning 17.

4-24-10 5044-5206' **Frac A1, B2 & A3 sands as follows:**Frac with 40516# 20/40 sand in 271bbbs lightning 17.

4-24-10 4916-4928' **Frac C sands as follows:**Frac with 49644# 20/40 sand in 312bbbs Lightning 17.

4-24-10 4764-4858' **Frac D1 & D3 sands as follows:**  
Frac with 45328# 20/40 sand in 297bbbs Lightning 17 fluid.

4-24-10 4484-4492' **Frac PB10 sands as follows:** Frac with 19839# 20/40 sand in 169bbbs Lightning 17 fluid.

4-24-10 4114-4222' **Frac GB6 & GB4 sands as follows:**  
Frac with 25729# 20/40 sand in 212bbbs Lightning 17 fluid.

PERFORATION RECORD

5708-5714' 3 JSPF 18 holes  
5634-5636' 3 JSPF 6holes  
5400-5404' 3 JSPF 12 holes  
5392-5395' 3 JSPF 9holes  
5383-5396' 3 JSPF 9 holes  
5222-5224' 3 JSPF 6 holes  
5203-5206' 3 JSPF 9 holes  
5062-5064' 3 JSPF 6holes  
5044-5046' 3 JSPF 6holes  
4916-4928' 3 JSPF 36holes  
4852-4858' 3 JSPF 18holes  
4764-4768' 3 JSPF 12 holes  
4484-4492' 3 JSPF 24holes  
4218-4222' 3 JSPF 12 holes  
4128-4130' 3 JSPF 6 holes  
4114-4116' 3 JSPF 6 holes

**NEWFIELD**

Jonah G-11-9-17

SL: 851' FNL & 706' FWL (NW/NW)  
Section 11, T9S, R17E  
Duchesne Co, Utah  
API # 43-013-34081; UTU-096550

## Jonah Federal T-11-9-16

Spud Date: 09/25/2009  
 Put on Production: 11/02/2009  
 GL: 5503' KB: 5515'

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (307.66')  
 DEPTH LANDED: 319.51'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 134 jts. (5994.88')  
 HOLE SIZE: 7-7/8"  
 TOTAL DEPTH: 6028.13'  
 CEMENT DATA: 250 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 62'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 179 jts (5700')  
 TUBING ANCHOR: 5712'  
 NO. OF JOINTS: 1 jts (31.5')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5746.3' KB  
 NO. OF JOINTS: 2 jts (61.5')  
 TOTAL STRING LENGTH: EOT @ 5809'

SUCKER RODS

POLISHED ROD: 1-1/2" x 30'  
 SUCKER RODS: 1 - 2' x 7/8", 1 - 8' x 7/8" pony rods, 207 - 7/8"  
 8per guided rods, 4 - 1 1/2" weight bars  
 PUMP SIZE: 2 1/2 x 1 3/4 x 17' x 24" RHAC  
 STROKE LENGTH: 144  
 PUMP SPEED: SPM 6

FRAC JOB

11-03-09 5283-5299' **Frac LODC sands as follows:**  
 Frac with 16631# 20/40 sand in 106 bbls  
 Lightning 17 fluid.

11-03-09 5143-5185' **Frac A1 & A3 sands as follows:**  
 Frac with 90329# 20/40 sand in 544 bbls  
 Lightning 17 fluid.

11-03-09 4847-4999' **Frac B2, C & B.5 sands as follows:**  
 Frac with 60136# 20/40 sand in 370 bbls  
 Lightning 17 fluid.

11-03-09 4696-4703' **Frac D1 sands as follows:** Frac with  
 14128# 20/40 sand in 124 bbls Lightning  
 17 fluid.

11-03-09 4184-4222' **Frac GB6 sands as follows:** Frac with  
 27979# 20/40 sand in 223 bbls Lightning  
 17 fluid.

Cement Top @ 62'

SN @ 5746'

Anchor @ 5712'

EOT @ 5809'

PBSD @ 6006'

TD @ 6030'

PERFORATION RECORD

5296-5299'	3 JSPF	holes
5283-5289'	3 JSPF	holes
5179-5185'	3 JSPF	holes
5164-5170'	3 JSPF	holes
5153-5155'	3 JSPF	holes
5143-5145'	3 JSPF	holes
4993-4999'	3 JSPF	holes
4928-4930'	3 JSPF	holes
4855-4858'	3 JSPF	holes
4847-4849'	3 JSPF	holes
4696-4703'	3 JSPF	holes
4219-4222'	3 JSPF	holes
4200-4202'	3 JSPF	holes
4192-4197'	3 JSPF	holes
4184-4186'	3 JSPF	holes

NEWFIELD



Jonah Federal T-11-9-16  
 709' FSL & 725' FEL  
 Section 11, T9S, R16E  
 Duchesne Co, Utah  
 API # 43-013-34080; Lease # UTU-096550

## Jonah X-11-9-16

Spud Date: 01/26/2010  
Put on Production: 02/25/2010

GL: 5665' KB: 5677'

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (308')  
DEPTH LANDED: 319.85'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 152 jts. (6169.13')  
HOLE SIZE: 7-7/8"  
TOTAL DEPTH: 3182.38'  
CEMENT DATA: 275 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 84'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 190 jts (5988.5')  
TUBING ANCHOR: 6000.5'  
NO. OF JOINTS: 1 jts (31.5')  
SEATING NIPPLE: 2-7/8" (1.1')  
SN LANDED AT: 6034.8' KB  
NO. OF JOINTS: 1 jts (31.6')  
TOTAL STRING LENGTH: EOT @ 6068'

SUCKER RODS

POLISHED ROD: 1-1/2" x 30'  
SUCKER RODS: 1 - 2' x 7/8", 1 - 4' x 7/8" pony rods;  
236 - 7/8" 8per guided rods; 4 - 1 1/2" weight bars  
PUMP SIZE: 2 1/2 x 1 1/4 x 17' x 24' RHAC  
STROKE LENGTH: 144  
PUMP SPEED: SPM 5

FRAC JOB

2-25-10 6032-6036' Frac CP5 sands as follows: Frac with 9446# 20/40 sand in 70 bbls Lightning 17 fluid.  
2-25-10 5661-5733' Frac CP.5, CP1 & CP2 sands as follows: Frac with 41029# 20/40 sand in 200 bbls Lightning 17 fluid.  
2-25-10 5262-5272' Frac A3 sands as follows: Frac with 35272# 20/40 sand in 172 bbls Lightning 17 fluid.  
2-25-10 4922-5033' Frac D3, B.5 & B1 sands as follows: Frac with 29462# 20/40 sand in 184 bbls Lightning 17 fluid.  
2-25-10 4216-4231' Frac GB4 sands as follows: Frac with 21788# 20/40 sand in 131 bbls Lightning 17 fluid.

Cement Top @ 84'

SN @ 6035'

4216-4218'  
4223-4225'  
4229-4231'  
4922-4924'  
4926-4928'  
5010-5012'  
5027-5033'  
5262-5272'  
5661-5663'  
5678-5680'  
5695-5697'  
5729-5733'  
Anchor @ 6001'  
6032-6036'  
EOT @ 6068'  
PBTD @ 6161'  
TD @ 6190'

PERFORATION RECORD

6032-6036'	3 JSPF	12 holes
5729-5733'	3 JSPF	12 holes
5695-5697'	3 JSPF	6 holes
5678-5680'	3 JSPF	6 holes
5661-5663'	3 JSPF	6 holes
5262-5272'	3 JSPF	30 holes
5027-5033'	3 JSPF	18 holes
5010-5012'	3 JSPF	6 holes
4926-4928'	3 JSPF	6 holes
4922-4924'	3 JSPF	6 holes
4229-4231'	3 JSPF	6 holes
4223-4225'	3 JSPF	6 holes
4216-4218'	3 JSPF	6 holes

**NEWFIELD**



**Jonah X-11-9-16**  
1031' FSL & 438' FWL (SW/SW)  
Section 11, T9S, R16E  
Duchesne Co, Utah  
API # 43-013-34082 Lease # UTU-096547



## Goates Fed. #1-11-9-16

Spud Date: 7/22/1964  
Put on Production: 8/23/1964  
GL: 5565' KB: 5577'

Initial Production: 393 BOPD

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 9-5/8"  
GRADE: J-55  
WEIGHT: 32.2#  
LENGTH: 7 jts. (218')  
DEPTH LANDED: 228'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 200 sacks cmt.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 156 jts. (4847')  
DEPTH LANDED: 4857'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 240 sacks cmt.  
CEMENT TOP AT: 3756' per CBL  
CSG SIZE: 4"  
GRADE: J-55  
WEIGHT: 10.46#  
LENGTH: 1263'  
DEPTH LANDED: 5910'  
HOLE SIZE: 4 3/4"  
CEMENT DATA: 140 sacks cmt.  
4" Liner Top @ 4649'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 146 jts (4593.16')  
TUBING ANCHOR: 4605.16'  
NO. OF JOINTS: 2 jts (62.92')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4671.85' KB  
NO. OF JOINTS: 1 jt (31.46')  
TOTAL STRING LENGTH: EOT @ 4803.49' W/ 12' KB

SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM  
SUCKER RODS: 6-1 1/2" wt rods, 129-3/4" scraped rods, 52-3/4" plain rods,  
1-8", 1-2", 2-6" x 3/4" pony rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC  
STROKE LENGTH: 64"  
PUMP SPEED, SPM: 8 SPM

FRAC JOB

4/14/64 4624'-4631' **Frac as follows:**  
250 gal. Acid mud.  
110 bbl crude oil preflush, 16,725# 20/40 sand in 100 bbls crude oil with 4200# glass beads. Treated @ avg press of 3800 psi w/avg rate of 27 BPM.

1/10/95 4764'-4789' **Frac C-SD sand as follows:**  
48,400# 16/30 sand in 315 bbls gel water. Treated @ avg press of 4700 psi w/avg rate of 20.5 BPM. Screened out w 6.5# conc. on perfs., flow back.

8/08/01 Rod Job. Updated rod and tubing details.

5/10/02 Pump change. Updated rod and tubing details.

5/19/03 5606'-5798' **Frac CP3,4, and 5 sands as follows:**  
80,164# 20/40 sand in 627 bbls Viking I-25 fluid. Treated @ avg press of 3530 psi w/avg rate of 14.5 BPM. ISIP 1900 psi. Calc flush: 1361 gal. Actual flush: 1218 gal.

5/19/03 5491'-5550' **Frac CP1, and 2 sands as follows:**  
90,183# 20/40 sand in 707 bbls Viking I-25 fluid. Treated @ avg press of 3531 psi w/avg rate of 14.4 BPM. ISIP 1800 psi. Calc flush: 1338 gal. Actual flush: 1176 gal.

5/20/03 5048'-5148' **Frac A1,3, and LODC sands as follows:**  
56,695# 20/40 sand in 485 bbls Viking I-25 fluid. Treated @ avg press of 3353 psi w/avg rate of 14 BPM. ISIP 2160 psi. Calc flush: 1236 gal. Actual flush: 1092 gal.

5/21/03 4857'-4928' **Frac B.5, 1 and 2 sands as follows:**  
38,821# 20/40 sand in 331 bbls Viking I-25 fluid. Treated @ avg press of 3674 psi w/avg rate of 14.3 BPM. ISIP 2120 psi. Calc flush: 1180 gal. Actual flush: 1008 gal.

5/22/03 4618'-4631' **Frac D1 sands as follows:**  
20,325# 20/40 sand in 243 bbls Viking I-25 fluid. Treated @ avg press of 2478 psi w/avg rate of 23 BPM. ISIP 2400 psi. Calc flush: 4616 gal. Actual flush: 4578 gal.

5/22/03 4076'-4164' **Frac GB sands as follows:**  
59,119# 20/40 sand in 462 bbls Viking I-25 fluid. Treated @ avg press of 1876 psi w/avg rate of 18 BPM. ISIP 2040 psi. Calc flush: 4074 gal. Actual flush: 3990 gal.

1/6/09 Tubing Leak. Updated rod & tubing details.

PERFORATION RECORD

Date	Interval	Tool	Holes
6/14/64	4624'-4631'	1 JSPF	8 holes
1/09/95	4764'-4776'	4 JSPF	48 holes
1/09/95	4783'-4789'	4 JSPF	32 holes
4/28/03	4670' SQUEEZE HOLES		
4/28/03	5020' SQUEEZE HOLES		
5/5/03	5790'-5798'	4 JSPF	32 holes
5/5/03	5682'-5686'	4 JSPF	16 holes
5/5/03	5664'-5666'	4 JSPF	8 holes
5/5/03	5640'-5652'	4 JSPF	48 holes
5/5/03	5614'-5619'	4 JSPF	20 holes
5/5/03	5606'-5610'	4 JSPF	16 holes
5/19/03	5539'-5550'	4 JSPF	44 holes
5/19/03	5491'-5507'	4 JSPF	64 holes
5/19/03	5145'-5148'	4 JSPF	28 holes
5/19/03	5133'-5137'	4 JSPF	28 holes
5/19/03	5090'-5098'	4 JSPF	48 holes
5/19/03	5080'-5084'	4 JSPF	48 holes
5/19/03	5048'-5064'	4 JSPF	64 holes
5/19/03	4924'-4928'	4 JSPF	16 holes
5/19/03	4894'-4898'	4 JSPF	24 holes
5/19/03	4888'-4890'	4 JSPF	24 holes
5/19/03	4857'-4860'	4 JSPF	12 holes
5/22/03	4618'-4631'	2 JSPF	26 holes
5/22/03	4157'-4164'	4 JSPF	40 holes
5/22/03	4138'-4141'	4 JSPF	40 holes
5/22/03	4130'-4134'	4 JSPF	16 holes
5/22/03	4076'-4085'	4 JSPF	36 holes

RE-PERF



Goates #1-11-9-16  
793' FSL & 2088' FWL  
SESW Section 11-T9S-R16E  
Duchesne Co, Utah  
API #43-013-15789; Lease #U-096547

## Jonah Federal #4-11-9-16

Spud Date: 1/2/03

Put on Production: 1/29/04

GL: 5552' KB: 5564'

Initial Production: 56 BOPD,  
78 MCFD, 5 BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (294.88')

DEPTH LANDED: 304.88'

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs class G cmt, est 11 bbls to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 135 jts (6016.67')

DEPTH LANDED: 6014.67'

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Premlite II and 400 sxs 50/50 POZ

CEMENT TOP AT: 102'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 173 jts (5718.05')

TUBING ANCHOR: 5730.05' KB

NO. OF JOINTS: 1 jt (33.00')

SN LANDED AT: 5765.85' KB

NO. OF JOINTS: 2 jts (65.95')

TOTAL STRING LENGTH: 5833.35' W/12' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM

SUCKER RODS: 6-1 1/2" weight bars, 10-3/4" scraped rods, 114-3/4" plain rods, 100-3/4" scraped rods, 1-4', 1-8' x 3/4" pony rods.

PUMP SIZE: 2-1/2" x 1-1/2" x 12 x 16' RHAC

STROKE LENGTH: 75"

PUMP SPEED, SPM: 6 SPM

#### FRAC JOB

01/22/04 5758'-5766'

##### Frac CP1 sands as follows:

30,019# 20/40 sand in 331 bbls Lightning 17 frac fluid. Treated @ avg pressure of 1765 psi w/avg rate of 24.8 BPM. ISIP-2000. Calc. flush: 5756 gals. Actual flush: 5250 gals.

01/22/04 5342'-5350'

##### Frac LODC sands as follows:

39,662# 20/40 sand in 377 bbls Lightning 17 frac fluid. Treated @ avg pressure of 2565 psi w/avg rate of 24.6 BPM. ISIP-2620. Calc. flush: 5340 gals. Actual flush: 5334 gals.

01/22/04 5175'-5180'

##### Frac A3 sands as follows:

24,875# 20/40 sand in 283 bbls Lightning 17 frac fluid. Treated @ avg pressure of 2200 psi w/avg rate of 24.7 BPM. ISIP-2020. Calc. flush: 5173 gals. Actual flush: 4830 gals.

01/23/04 4949'-4954'

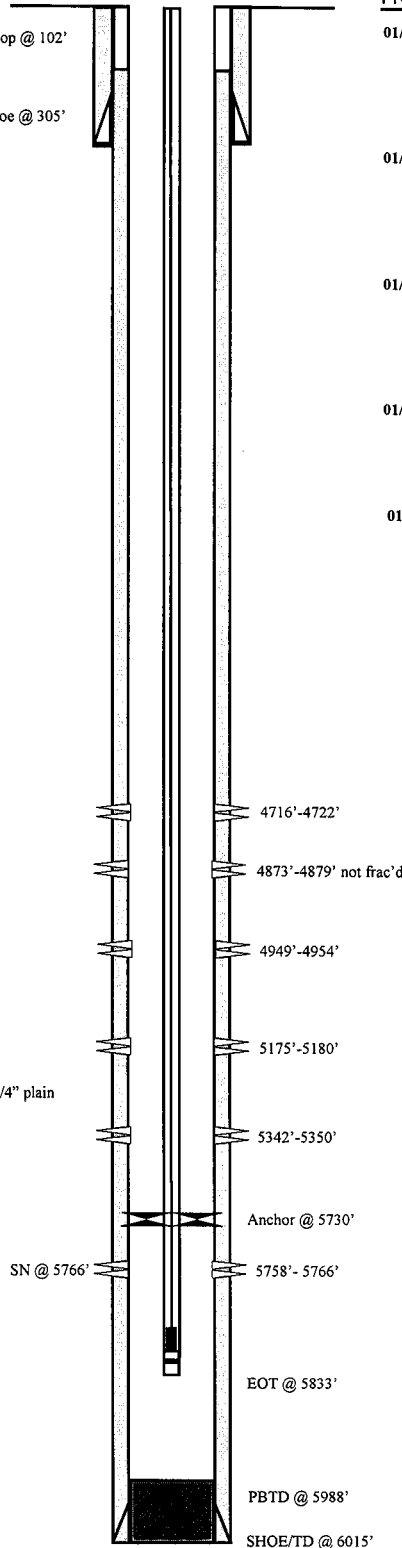
##### Frac B1 sands as follows:

25,264# 20/40 sand in 278 bbls Lightning 17 frac fluid. Treated @ avg pressure of 1777 psi w/avg rate of 24.6 BPM. ISIP-2230. Calc. flush: 4947 gals. Actual flush: 4674 gals.

01/23/04 4716'-4722'

##### Frac D1 sands as follows:

29,035# 20/40 sand in 299 bbls Lightning 17 frac fluid. Treated @ avg pressure of 2519 psi w/avg rate of 25.3 BPM. ISIP-2115. Calc. flush: 4714 gals. Actual flush: 4620 gals.



#### PERFORATION RECORD

01/21/04	5758'-5766'	4 JSPF	32 holes
01/22/04	5342'-5350'	4 JSPF	32 holes
01/22/04	5175'-5180'	4 JSPF	20 holes
01/22/04	4949'-4954'	4 JSPF	20 holes
01/23/04	4873'-4879'	4 JSPF	20 holes
01/23/04	4872.5'-4878.5'	4 JSPF	24 holes
01/23/04	4716'-4722'	4 JSPF	24 holes

**NEWFIELD**

**Jonah Federal #4-11-9-16**  
864 FNL & 711 FWL  
NWNW Section 11-T9S-R16E  
Duchesne County, Utah  
API #43-013-32279; Lease #U-096550

Spud Date: 8/23/64  
 Plug & Abandon: 8/30/72  
 Re-enter: 6/20/94  
 Put on Production: 7/20/94

GL: 5630' KB: 5642'

#### SURFACE CASING

CSG SIZE: 9-5/8"  
 GRADE: H-40  
 WEIGHT: 32.3#  
 DEPTH LANDED: 219'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 277 sxs cement.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 DEPTH LANDED: 5250'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 120 sxs cement  
 CEMENT TOP AT: 4490' per CBL

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 154 jts (4767')  
 TUBING ANCHOR: 4769' KB  
 NO. OF JOINTS: 12 jts (357')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5126' KB  
 NO. OF JOINTS: 1 jts Perf sub (4.00')  
 NO. OF JOINTS: 1 jts (31')  
 TOTAL STRING LENGTH: EOT @ 5160'

#### SUCKER RODS

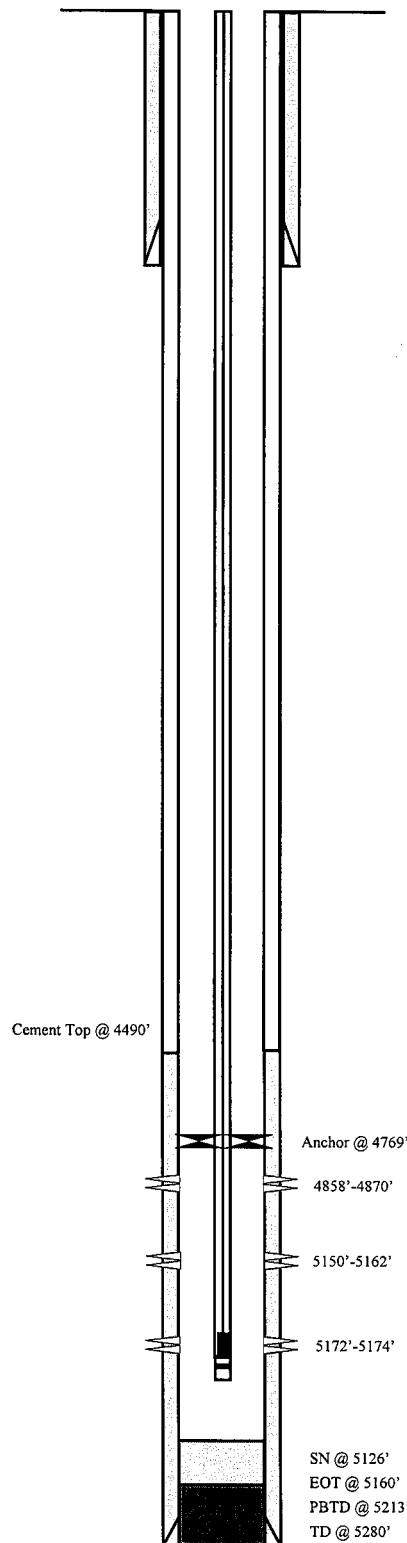
POLISHED ROD: 1-1/4" x 22' SM  
 SUCKER RODS: 204-3/4" plain rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16"  
 STROKE LENGTH: 72"  
 PUMP SPEED, SPM: 5 SPM

## Monument Fed. #13-11j-9-16

Formerly Goates Fed. #2

Initial Production: 60 BOPD,  
 NM MCFD, 0 BWPD

Wellbore Diagram



#### FRAC JOB

5155'-5173'

#### Frac zoneas follows:

15,500# sand in 328 bbls oil + 4,200# glass beads in 100 bbl oil. Treated @ avg press of 3500 psi w/avg rate of 41.5 BPM.

4863'-4867'

#### Frac zoneas follows:

10,000# sand in 190 bbls oil + 2,000# glass beads in 48 bbl oil. Treated @ avg press of 2900 psi w/avg rate of 32 BPM.

#### PERFORATION RECORD

	5173'	3 JSPF	03 holes
	5161'	3 JSPF	03 holes
	5155'	3 JSPF	03 holes
	4867'	4 JSPF	03 holes
	4863'	4 JSPF	03 holes
6/27/94	5172'-5174'	4 SPF	08 holes
6/27/94	5150'-5162'	4 SPF	48 holes
6/27/94	4858'-4870'	4 SPF	48 holes



Monument Federal #13-11j-9-16  
 1819' FSL & 657' FWL  
 NWSW Section 11-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-15790; Lease #U-096547

## Walton Federal #1

16-11-9-16

Spud Date: 4/01/1964

GL: 5501' KB: 5513'

Initial Production: 1073 BOPD,  
100 MCFG

## FRAC JOB

## Wellbore Diagram

## SURFACE CASING

CSG SIZE: 9-5/8"

GRADE: J-55

WEIGHT: 32.2#

LENGTH: 7 jts. (212')

DEPTH LANDED: 225'

HOLE SIZE: 12-1/4"

CEMENT DATA: 225 sxs cement

## PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 167 jts. (5192')

DEPTH LANDED: 5205'

HOLE SIZE: 7 7/8"

CEMENT DATA: 400 sacks cmt.

CEMENT TOP AT: 4056' per CBL

CSG SIZE: 4"

GRADE: J-55

WEIGHT: 11#

LENGTH: 1077'

DEPTH LANDED: 5901'

HOLE SIZE: 4 3/4"

CEMENT DATA: 201 sacks cmt.

CEMENT TOP AT: ????? After squeeze

4" Liner Top @ 4816'

## TUBING

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#

NO. OF JOINTS: 146 jts (4588.2')

TUBING ANCHOR: 4600.2'

NO. OF JOINTS: 2 jts (62.9')

SEATING NIPPLE: 2 7/8" (1.10')

SN LANDED AT: 4666' KB

NO. OF JOINTS: 1 jts (31')

TOTAL STRING LENGTH: EOT @ 4796' W/ 12' KB

## SUCKER RODS

POLISHED ROD: 1 1/2" x 22' SM

SUCKER RODS: 1-2' x 3/4", 2-8' x 3/4" pony rods, 91 - 3/4" guided rods,  
40 - 3/4" sucker rods, 28 - 3/4" guided rods, 20 - 3/4" 4per guided rods, 6-1  
1/2" sinker bars

PUMP SIZE: 1 1/2" x 1 3/4" x 16' x 20' RHAC

STROKE LENGTH: 86

PUMP SPEED, SPM: 5 SPM

NEWFIELD

Walton Federal #1 16-11-9-16  
705' FSL & 704' FEL  
SESE Section 11-T9S-R16E  
Duchesne Co, Utah  
API #43-013-15792; Lease #U-096550

SN @ 4666'

Anchor 4600'

EOT @ 4796'

4" Liner Top @ 4816'

5001'-5029'

5018'-5022'

5044'-5054'

5048'-5050'

5058'-5067'

5069'-5077'

5072'-5074'

5072'-5078'

5081'-5083'

5080'-5088'

5 1/2" SHOE @ 5205'

5456'-5472'

5525'-5528'

5531'-5535'

5538'-5540'

5556'-5559'

5574'-5578'

5602'-5611'

5615'-5618'

PBTD @ 5863'

4" SHOE @ 5901'

TD @ 5903'

5/07/64 5007'-5020'

5/07/64 4735'-4746'

10/05/66 4735'-5084'

9/25/96 5007'-5084'

9/25/96 4589'-4746'

8/11/03 5456'-5618'

8/12/03 4589'-4597'

8/13/03 4190'-4363'

8/13/03 3989'-4129'

9/20/10

9/14/10 5018'-5083'

## Frac zone as follows:

21,000# 20/40 sand + 2000# 8/12 beads in 500 bbl crude oil. Treated @ 3750 psi @ 37 BPM.

## Frac zone as follows:

20,000# 20/40 sand + 2000# 8/12 beads in 475 bbl crude oil. Treated @ 3700 psi @ 32 BPM.

## Frac zone as follows:

62,000# 20/40 sand + 2000# beads in 1750 bbl 1% acetic acid. Treated @ 2800 psi @ 54 BPM. Calc. flush: 5075 gal. Actual flush: 6500 gal.

## Frac zone as follows:

29,760# 16/30 sand in 168 bbl KCl. Treated @ 3450 psi @ 13 BPM, ISIP 1990 psi.

## Frac zone as follows:

12,000# 16/30 sand in 212 bbl KCl. Treated @ 2900 psi @ 22.5 BPM, ISIP 2520 psi.

## Frac CP1, CP2, &amp; CP3 sands as follows:

120,283# 20/40 sand in 879 Bbbs Viking I-25 fluid. Treated @ avg. press of 3825 psi w/ avg. rate of 14.4 BPM. ISIP: 1770 psi. Calc flush: 1270 Gal. Actual flush: 1218 gal.

## Re-Frac D1 sands as follows:

20,026# 20/40 sand in 235 Bbbs Viking I-25 fluid. Treated @ avg. press of 3340 psi w/ avg rate of 17.3 BPM. ISIP 3850 psi. Calc flush: 4587 gal. Actual flush: 4410 gal.

## Frac PB7, PB10, &amp; PB11 sands as follows:

65,480# 20/40 sand in 485 Bbbs Viking I-25 fluid. Treated @ avg. press of 3225 psi w/ avg rate of 23.6 BPM. ISIP: 3850 psi. Calc. Flush: 4188 gal. Actual flush: 2142 gal. (Screened Out)

## Frac GB2, GB4, and GB6 sands as follows:

155,102# 20/40 sand in 996 Bbbs Viking I-25 fluid. Treated @ avg. press of 1950 psi w/ avg. rate of 24.5 BPM. ISIP: 2200 psi. Calc flush: 3987 gal. Actual flush: 3906 gal.

## Re-Completion

## Frac A1 &amp; A3 sands as follows:

33495# 20/40 sand in 261 bbls Lightning 17 fluid.

## PERFORATION RECORD

5/06/64	5020'	3 SPF	03 holes
5/06/64	5013'	3 SPF	03 holes
5/06/64	5007'	3 SPF	03 holes
5/06/64	4746'	3 SPF	03 holes
5/06/64	4735'	3 SPF	03 holes
10/5/66	5075'	1 SPF	01 hole
10/5/66	5084'	1 SPF	01 hole
08/1982	4589'-4597'	??	?? holes
9/24/96	5072'-5078'	2 SPF	12 holes
9/24/96	5046'-5054'	2 SPF	16 holes
9/24/96	4715'-4719'	4 SPF	16 holes
9/24/96	4590'-4595'	4 SPF	20 holes
7/24/03	4000' (squeeze)	4 JSPF	4 holes
8/11/03	5615'-5618'	4 JSPF	12 holes
8/11/03	5602'-5611'	4 JSPF	36 holes
8/11/03	5574'-5578'	4 JSPF	16 holes
8/11/03	5556'-5559'	4 JSPF	12 holes
8/11/03	5538'-5540'	4 JSPF	8 holes
8/11/03	5531'-5535'	4 JSPF	16 holes
8/11/03	5525'-5528'	4 JSPF	12 holes
8/11/03	5456'-5472'	4 JSPF	64 holes
8/12/03	4353'-4363'	4 JSPF	40 holes
8/12/03	4340'-4349'	4 JSPF	36 holes
8/12/03	4331'-4334'	4 JSPF	12 holes
8/12/03	4292'-4295'	4 JSPF	12 holes
8/12/03	4283'-4287'	4 JSPF	16 holes
8/12/03	4190'-4196'	4 JSPF	24 holes
8/13/03	4120'-4129'	4 JSPF	36 holes
8/13/03	4097'-4100'	4 JSPF	12 holes
8/13/03	4090'-4094'	4 JSPF	16 holes
8/13/03	4071'-4087'	4 JSPF	64 holes
8/13/03	4031'-4035'	4 JSPF	16 holes
8/13/03	4021'-4026'	4 JSPF	20 holes
8/13/03	4001'-4016'	4 JSPF	60 holes
8/13/03	3989'-3993'	4 JSPF	16 holes
8/14/03	5080'-5088'	2 JSPF	16 holes
8/14/03	5069'-5077'	2 JSPF	16 holes
8/14/03	5058'-5067'	2 JSPF	18 holes
8/14/03	5044'-5054'	2 JSPF	20 holes
8/14/03	5001'-5029'	2 JSPF	56 holes
9/14/10	5081'-5083'	3 JSPF	6 holes
9/14/10	5072'-5074'	3 JSPF	6 holes
9/14/10	5048'-5050'	3 JSPF	6 holes
9/14/10	5018'-5022'	3 JSPF	12 holes

Spud Date: 8/30/93  
 Put on Production: 10/21/93  
 Put on Injection: 10/29/94  
 GL: 5621' KB: 5631'

## Balcron Monument Fed 23-11

Initial Production: 110 BOPD,  
 165 MCFD, 20 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 6 jts. (225.31')  
 DEPTH LANDED: 277' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est 4 bbls cmt to surf.

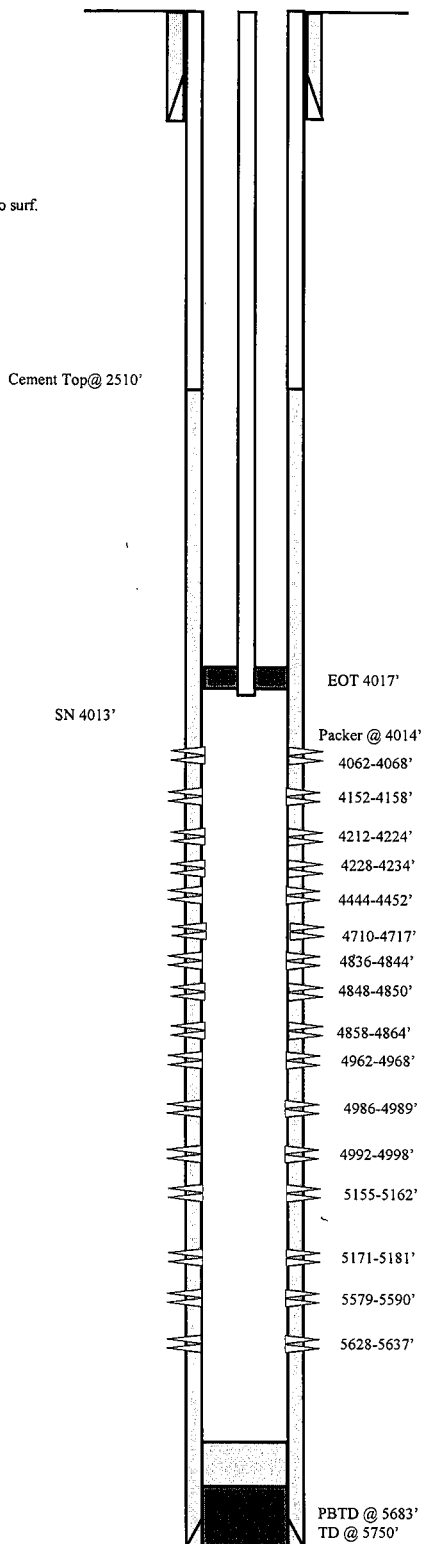
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts. (5674.08')  
 DEPTH LANDED: 5730.67'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 90 sxs Hifill & 350 sxs 50/50 POZ.  
 CEMENT TOP AT: 2510 per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 128 jts (4002.91')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4012.91' KB  
 5 1/2" ARROWSET PACKER: 4014' KB  
 TOTAL STRING LENGTH: EOT @ 4017.26' KB

### Injection Wellbore Diagram



### FRAC JOB

9/28/93	5155'-5181'	<b>Frac zone as follows:</b> 28,200# 20/40 sand + 29,180# 16/30 sand in 386 bbls Viking I-35 fluid. Treated @ avg press of 1800 psi w/ave rate of 25.1 BPM. ISIP 1900 psi. Calc. flush: 5155 gal. Actual flush: 5082 gal.
10/01/93	4840'-4998'	<b>Frac zone as follows:</b> 30,700# 20/40 sand + 29,500# 16/30 sand in 562 bbls 2% KCl fluid. Treated @ avg press of 2200 psi w/ave rate of 25 BPM. ISIP 1600 psi. Calc. flush: 4840 gal. Actual flush: 4830 gal.
10/01/93	4710'-4718'	<b>Frac zone as follows:</b> 20,000# 16/30 sand in 277 bbls 2% KCl fluid. Treated @ avg press of 2500 psi w/ave rate of 19.5 BPM. ISIP 2000 psi. Calc. flush: 4710 gal. Actual flush: 4704 gal.
8-23-05	5579-5590'	<b>Frac CP1 &amp; CP2 sands as follows:</b> 13508#s 20/40 sand in 167 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2724 psi w/ave rate of 14.1 BPM. ISIP 1600 psi. Calc. flush: 1446 gal. Actual flush 1344 gals.
8-23-05	4444-4452'	<b>Frac PB11 sands as follows:</b> 14452#s 20/40 sand in 156 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3025 psi w/ave rate of 14 BPM. ISIP 2200 psi. Calc. flush: 1325 gal. Actual flush 1092 gals.
8-23-05	4152-4234'	<b>Frac GB4 &amp; GB6 sands as follows:</b> 46326#s 20/40 sand in 381 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2581 psi w/ave rate of 14.1 BPM. ISIP 1900 psi. Calc. flush: 1175 gal. Actual flush 966 gals.
10/09/08		Zone Stimulation. Injection Tubing updated.
05/20/10		Tubing Leak. Tubing detail updated.

### PERFORATION RECORD

9/27/93	5171'-5181'	2 JSPF	20 holes
9/27/93	5155'-5162'	2 JSPF	14 holes
9/27/93	4998', 4996', 4994', 4992', 4988', 4984', 4968', 4962', 4864', 4858', 4864', 4858'	1 JSPF	12 holes
10/01/93	4710'-4717'	2 JSPF	14 holes
10/09/94	4992'-4998'	2 JSPF	12 holes
10/09/94	4986'-4989'	2 JSPF	06 holes
10/09/94	4962'-4968'	2 JSPF	12 holes
10/09/94	4858'-4864'	2 JSPF	12 holes
10/09/94	4848'-4850'	2 JSPF	04 holes
10/09/94	4836'-4844'	2 JSPF	16 holes
8-22-05	5579-5590'	4 JSPF	44 holes
8-22-05	5628-5637'	4 JSPF	36 holes
8-22-05	4062-4068'	4 JSPF	24 holes
8-22-05	4152-4158'	4 JSPF	24 holes
8-22-05	4212-4224'	4 JSPF	48 holes
8-22-05	4228-4234'	4 JSPF	24 holes
8-22-05	4444-4452'	4 JSPF	32 holes

**NEWFIELD**

**Balcron Monument Fed 23-11**

1787 FSL 2147 FWL

NESW Section 11-T9S-R16E

Duchesne Co, Utah

API #43-013-31369; Lease #U-096550

TW 08/09/10

## Monument Federal 32-11J-9-16

Spud Date: 8/23/93  
 Put on Production: 10/06/93  
 GL: 5577' KB: 5587'

Initial Production: 25 BOPD,  
 15 MCFD, 10 BWPD

SURFACE CASING

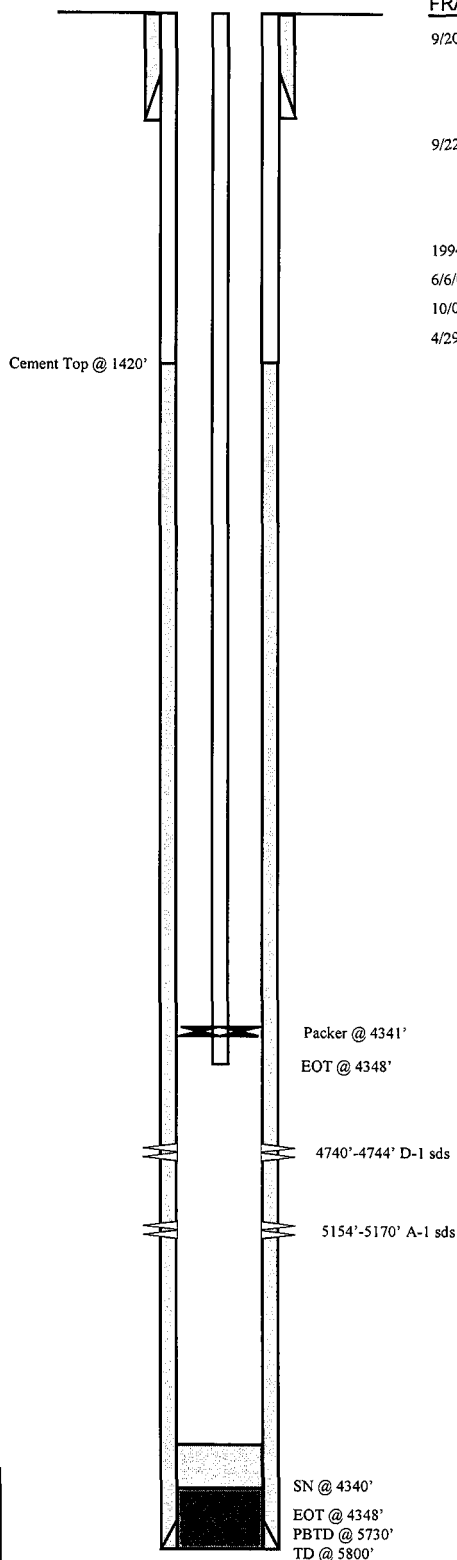
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (267.54')  
 DEPTH LANDED: 275'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Premium, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts. (5722')  
 DEPTH LANDED: 5774.96'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 231 sxs Hilift & 351 sxs Class "G".  
 CEMENT TOP AT: 1420' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 140 jts (4339.9')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4339.9' KB  
 CE @ 4341'  
 TOTAL STRING LENGTH: EOT @ 4348'

Injection  
Wellbore DiagramFRAC JOB

9/20/93	5154'-5170'	<b>Frac zone as follows:</b> 43,460# 16/30 sand in 509 bbls frac fluid. Treated @ avg press of 1800 psi w/avg rate of 20 BPM. ISIP 1635 psi. Calc. flush: 5154 gal, Actual flush: 4914 gal.
9/22/93	4740'-4744'	<b>Frac zone as follows:</b> 10,000# 16/30 sand in 271 bbls frac fluid. Treated @ avg press of 2900 psi w/avg rate of 13 BPM. ISIP 1850 psi. Calc. flush: 4740 gal, Actual flush: 4703 gal.
1994	Convert to Injection well	
6/6/05	5 Yr MIT	
10/07/09	Zone Stimulation. No tubing or rod detail.	
4/29/10	5 Yr MIT	

PERFORATION RECORD

9/17/93	5154'-5170'	2 JSPP	12 holes
9/22/93	4740'-4744'	2 JSPP	08 holes

**NEWFIELD****Monument Federal 32-11J-9-16**

2059' FNL &amp; 1763' FEL

SWNE Section 11-T9S-R16E

Duchesne Co, Utah

API #43-013-31386; Lease #U-096550

## Walton 34-11-9-16

Put on Production: 12-12-84

GL: 5534' KB: 5545'

Injection Wellbore  
DiagramSURFACE CASING

CSG SIZE: 8 5/8"  
 GRADE: K-55  
 WEIGHT: 24#  
 LENGTH: 251'  
 DEPTH LANDED: 263'  
 HOLE SIZE: 12 1/4"  
 CEMENT DATE: 210 sx Class "G"  
 CEMENTED TO SURFACE

PRODUCTION CASING

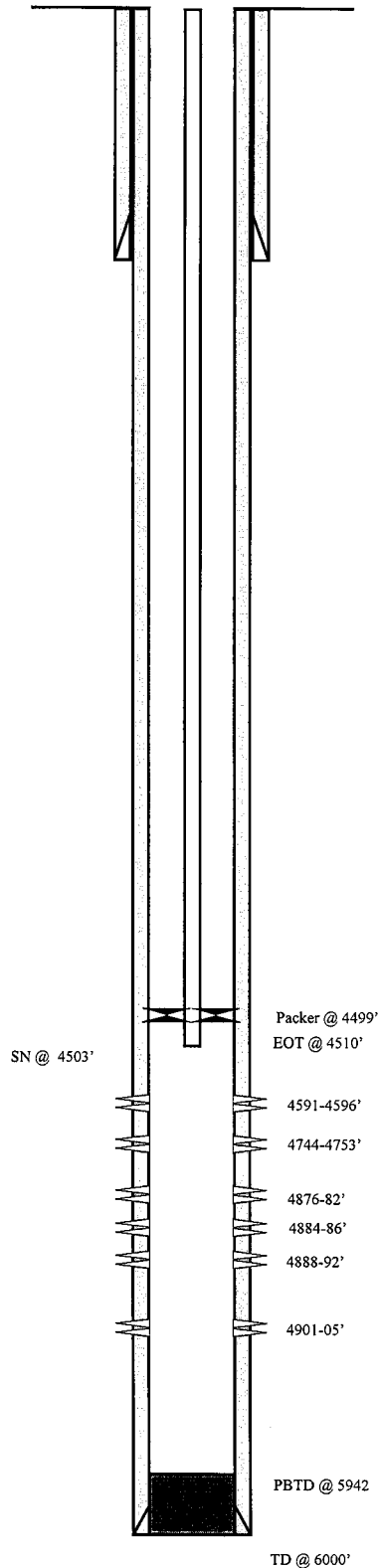
CSG SIZE: 5 1/2"  
 GRADE: K-55  
 WEIGHT: 14# & 15.5#  
 LENGTH: 5995'  
 DEPTH LANDED: 5995'  
 HOLE SIZE: 7 7/8"  
 CEMENT DATE: 131 sx HiLift & 687 sx  
 Class "H"  
 CEMENTED TOP @ 1665' KB from CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 144 jts (4490.7')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 4502.84' KB  
 XO: 4503.44'  
 PACKER: 4509.64'  
 TOTAL STRING LENGTH: EOT @ 4509.64'

FRAC JOB

4876-4805'	Frac with 117800# 20/40 sand in 53560 gal Appollo 30.
01-01-98	Convert to Injection well
5-20-05	5-YR MIT
9-3-08	Zone Stimulation
4-21-10	5-YR MIT

PERFORATION RECORD

4591-4596'	2 JSPF	10 holes
4744-4753'	2 JSPF	18 holes
4876-4882'	2 JSPF	12 holes
4884-4888'	2 JSPF	8 holes
4888-4892'	2 JSPF	8 holes
4901-4905'	2 JSPF	8 holes

**NEWFIELD****Walton 34-11-9-16**

537' FSL &amp; 2092' FEL

SW/SE Section 11-T9S-R16E

Duchesne Co, Utah

API #43-013-31003; Lease #U-096550

## Monument Federal #42-11j-9-16

Spud Date: 6/28/1994 (Re-entry)  
Put on Production: 8/01/1994

GL: 5554' KB: 5564'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
DEPTH LANDED: 140' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 150 sxs cement.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 122 jts. (5261.75')  
DEPTH LANDED: 5270.75'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 290 sxs Super "G" & 150 sxs 50/50 POZ.  
CEMENT TOP AT: 1825' per CBL

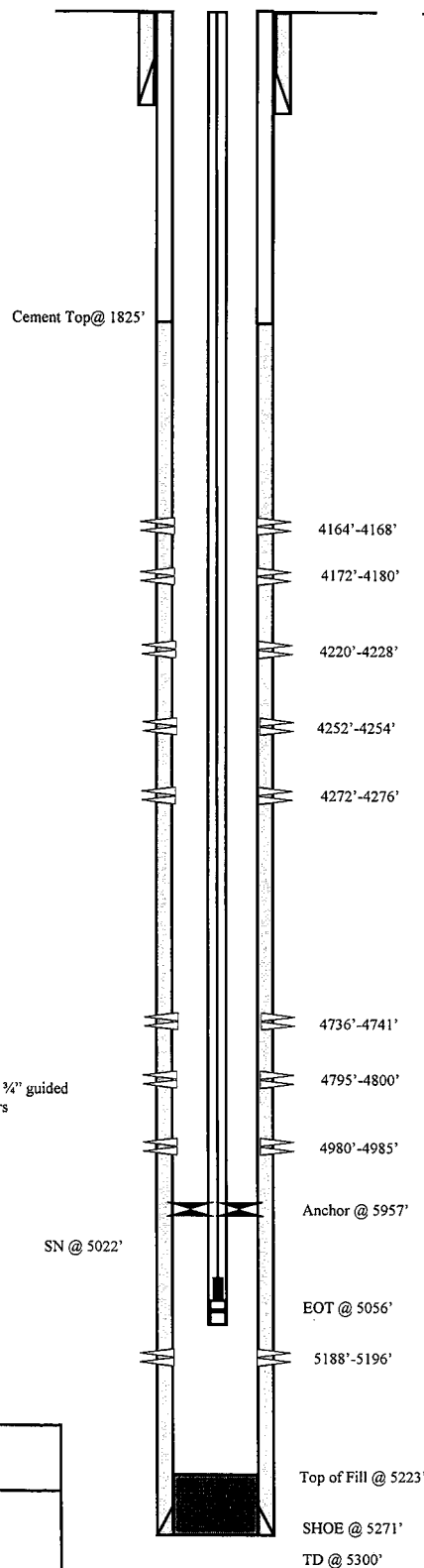
**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 154 jts (4946.9)  
TUBING ANCHOR: 4956.9'  
NO. OF JOINTS: 2 jt (62.5')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5022.2'  
NO. OF JOINTS: 1 jts (32.1')  
TOTAL STRING LENGTH: EOT @ 5056'

**SUCKER RODS**

POLISHED ROD: 1-1/4" x 26'  
SUCKER RODS: 1-2" x 3/4" pony rod, 1-6" x 3/4" pony rod, 100- 3/4" guided rods, 53- 3/4" sucker rods, 42- 3/4" guided rods, 6- 1 1/2" weight bars  
PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 16' RHAC  
STROKE LENGTH: 86"  
PUMP SPEED, SPM:

## Wellbore Diagram



Initial Production: 33 BOPD,  
NM MCFD, 0 BWPD

**FRAC JOB**

7/16/94 5188'-5196' **Frac zone as follows:**  
14,860# 20/40 sand + 11,600# 16/30 sand in 290 bbls 2% KCl frac fluid. Treated @ avg press of 3000 psi w/avg rate of 30 BPM. ISIP 4400 psi. Screened out with 1660# sand left in casing.

7/16/94 4736'-4741' **Frac zone as follows:**  
14,100# 16/30 sand in 220 bbls 2% KCl frac fluid. Treated @ avg press of 4550 psi w/avg rate of 25 BPM. ISIP 1670 psi.

3/23/02  
11/6/02 4736'-5196' **Frac D,B,A Sands as follows:**  
70,000# 20/40 sand in 538 bbls Viking 1-25 frac fluid. Treated @ avg press of 1975 psi w/avg rate of 26.5 BPM. ISIP 2420 psi. Calc flush: 4736 gal. Actual flush: 4662 gal.

11/6/02 4164'-4276' **Frac GB,PT Sands as follows:**  
95,021# 20/40 sand in 674 bbls Viking 1-25 frac fluid. Treated @ avg press of 1825 psi w/avg rate of 25 BPM. ISIP 2080 psi. Calc flush: 4164 gal. Actual flush: 4074 gal.

4164'-4168' 6-1-05  
11-2-07  
4172'-4180' 3/4/09  
5/7/2010  
4220'-4228'  
4252'-4254'  
4272'-4276'  
4736'-4741'  
4795'-4800'  
4980'-4985'  
Anchor @ 5957'  
EOT @ 5056'  
5188'-5196'  
Top of Fill @ 5223'  
SHOE @ 5271'  
TD @ 5300'

**PERFORATION RECORD**

Date	Depth Range	Tool Joint	Holes
7/14/94	5188'-5196'	4 JSPF	32 holes
7/16/94	4736'-4741'	4 JSPF	20 holes
RE-PERF 11/5/02	5188'-5196'	5 JSPF	40 holes
11/5/02	4980'-4985'	4 JSPF	20 holes
11/5/02	4795'-4800'	4 JSPF	20 holes
RE-PERF 11/5/02	4736'-4741'	5 JSPF	25 holes
11/6/02	4272'-4276'	4 JSPF	16 holes
11/6/02	4252'-4254'	4 JSPF	8 holes
11/6/02	4220'-4228'	4 JSPF	32 holes
11/6/02	4172'-4180'	4 JSPF	32 holes
11/6/02	4164'-4168'	4 JSPF	16 holes

**NEWFIELD****Monument Federal #42-11J-9-16**

1991' FNL & 495' FEL  
SENE Section 11-T9S-R16E  
Duchesne Co, Utah  
API #43-013-30066; Lease #U-096550



## Monument Fed. 43-11J-9-16

Spud Date: 11/15/84  
 Plug & Abandoned: 11/29/84  
 Re-enter: 7/07/94  
 Put on Production: 8/10/94  
 Put on Injection: 10/29/94  
 GL: 5581' KB: 5592'

Initial Production: 35 BOPD,  
 NM MCFD, 0 BWPD

SURFACE CASING

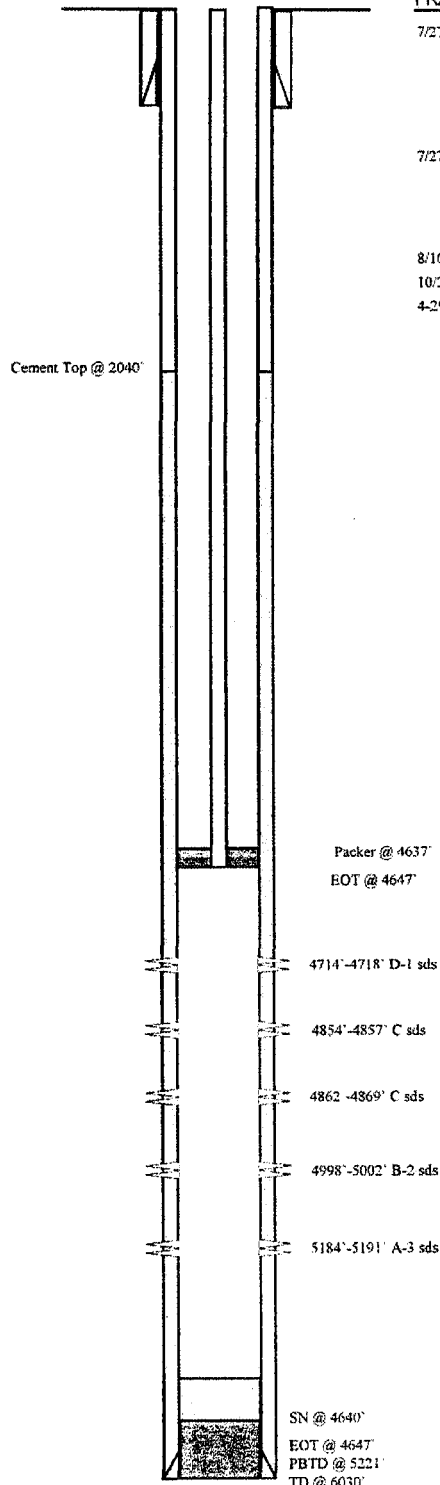
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 DEPTH LANDED: 282'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 190 sxs Class "G" cement.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 121 jts (5243.20')  
 DEPTH LANDED: 5251.20' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 272 sxs Super "G" & 180 sxs 50/50 POZ.  
 CEMENT TOP AT: 2040' per CBL

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 149 jts (4628.30')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4640.40' KB  
 CE: @ 4637'  
 TOTAL STRING LENGTH: EOT @ 4647.20'

Injection Wellbore  
DiagramFRAC JOB

7/27/94	4998'-5191'	<b>Frac zone as follows:</b> 19,860# 20/40 sand + 5,100# 16/50 sand in 366 bbls 2% KCl. Treated @ avg press of 4000 psi w/avg rate of 20.7 BPM. ISIP 2250 psi. Calc. flush: 4998 gal. Actual flush: 4998 gal
7/27/94	4714'-4867'	<b>Frac zone as follows:</b> 54,380# 16/30 sand in 421 bbls 2% KCl. Treated @ avg press of 3530 psi w/avg rate of 29 BPM. ISIP 2350 psi. Calc. flush: 4714 gal. Actual flush: 4704 gal
8/10/94		Put on Production
10/29/94		Put on Injection
4-29-10		5 yr MIT

PERFORATION RECORD

7/25/94	5184'-5191'	1 SPF	07 holes
7/25/94	4998'-5002'	1 SPF	04 holes
7/27/94	4862'-4869'	1 SPF	04 holes
7/27/94	4854'-4857'	1 SPF	03 holes
7/27/94	4714'-4718'	1 SPF	04 holes



Monument Fed. 43-11j-9-16  
 2127' FSL & 693' FEL  
 NESE Section 11-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31002; Lease #U-096550

Spud Date: 10/12/64  
Put on Production: 12/10/64  
GL: 5456' KB: 5468'

## C &amp; O Gvmt. #1-12-9-16

## Wellbore Diagram

Initial Production: 480 BOPD, 0 BWPD

SURFACE CASING

CSG SIZE: 10 3/4"  
WEIGHT: 32.75#  
LENGTH: 8 jts. (217')  
DEPTH LANDED: 229'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 135 cu. ft. Ideal Type II.

PRODUCTION CASING

CSG SIZE: 5-1/2" / 17# / N-80  
LENGTH: 41 jts. (1253.85')  
CSG SIZE: 5-1/2" / 15.5# / J-55  
LENGTH: 127 jts. (3927.00')  
CSG SIZE: 5-1/2" / 17# / N-80  
LENGTH: 1 jt. (20.00')  
DEPTH LANDED: 5200.00'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 315 cu. ft. 50/50 POZ + 75 sxs 50/50 POZ.  
CEMENT TOP AT: 4750' per CBL

TUBING

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#  
NO. OF JOINTS: 154 jts (4755.94') 20 new  
TUBING ANCHOR: 4767.94' KB  
NO. OF JOINTS: 8 jts (260.21')  
SEATING NIPPLE: 2 7/8" (1.10')  
SN LANDED AT: 5030.95' KB  
NO. OF JOINTS: 1 jts Perf sub (4')  
NO. OF JOINTS: 1 jts (30.88')  
TOTAL STRING LENGTH: EOT @ 5067.38'

SUCKER RODS

POLISHED ROD: 1 1/4" x 16' polished rods  
SUCKER RODS: 1-2' & 1-4' x 3/4" pony rods, 95-3/4" guided rods, 76-3/4" plain rods, 20-3/4" guided rods, 6-1 5/8" wt bars  
PUMP SIZE: 2 1/2" x 1 1/2" x 16' RHAC  
STROKE LENGTH: 44"  
PUMP SPEED, SPM: 5 SPM  
LOGS: IES, SGR, ML, CBL

FRAC JOB

12/64	5071'-5074'	<b>Frac zone as follows:</b> 13,900# sand + 3150# glass beads in 721 bbls lease crude oil. Treated @ avg press of 3850 psi w/avg rate of 37 BPM.
12/64	4893'-4897'	<b>Frac zone as follows:</b> 13,900# sand + 1575# glass beads in 721 bbls lease crude oil. Treated @ avg press of 4000 psi w/avg rate of 29 BPM.
5/20/73	5071'-5105'	<b>Frac zone as follows:</b> 16,500# 10/20 sand in 381 bbls frac fluid. Treated @ avg press of 2300 psi w/avg rate of 6 BPM.
5/21/73	4752'-4766'	<b>Frac zone as follows:</b> 14,000# 10/20 sand in 381 bbls frac fluid. Treated @ avg press of 3500 psi w/avg rate of 16 BPM.
6/18/99		Pump change. Update rod and tubing details.
5/13/03		Tubing leak. Update rod and tubing details.
08/29/06		Pump Change. Update rod & Tubing details

Cement Top @ 4750'

4752'

4766'

Anchor @ 4768'

4893'

4897'

SN @ 5031'

EOT @ 5067.'

5071'

5074'

5086'

5095'

5105'

Top of fill @ 5116'

PBSD @ 5141'

SHOE @ 5200'

TD @ 5212'

PERFORATION RECORD

12/64	5074'	4	SPF	04	holes
12/64	5071'	4	SPF	04	holes
12/64	4897'	4	SPF	04	holes
12/64	4893'	4	SPF	04	holes
05/93	5105'	3	SPF	03	holes
05/93	5095'	3	SPF	03	holes
05/93	5086'	3	SPF	03	holes
05/93	4766'	3	SPF	03	holes
05/93	4752'	3	SPF	03	holes

NEWFIELD



C&O Gov't. #1-12-9-16  
1905 FSL & 660 FWL  
NWSW Section 12-T9S-R16E  
Duchesne Co, Utah  
API #43-013-15111 Lease #U-035521 A

## Walton Federal #2-14-9-16

Spud Date: 5/23/1964  
 Put on Production: 7/03/1964  
 GL: 5546' KB: 5558'

Initial Production: 50 BOPD, 75 MCFD

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 9-5/8"  
 GRADE: J-55  
 WEIGHT: 32.2#  
 LENGTH: 7 jts. (221')  
 DEPTH LANDED: 232' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 200 sxs Class "G" cmt.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 151 jts. (4846')  
 DEPTH LANDED: 4857'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 cft 10% salt saturated cement.  
 CEMENT TOP AT: 3576'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 140 jts (4440.44') KB  
 TUBING ANCHOR: 4444.19'  
 NO. OF JOINTS: 9 jts (4731.75')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4733.05' KB  
 NO. OF JOINTS: 1 jts Perf Sub (4737.05')  
 NO. OF JOINTS: 1 jts (4768.73')  
 TOTAL STRING LENGTH: EOT @ 4768.73'

SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM  
 SUCKER RODS: 44-3/4" plain rods; 136-3/4" guided rods, 8-3/4" plain rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC  
 STROKE LENGTH: "  
 PUMP SPEED, SPM: SPM  
 LOGS: DIGL/SP/GR/CAL

FRAC JOB

6/20/64 4724', 4735'

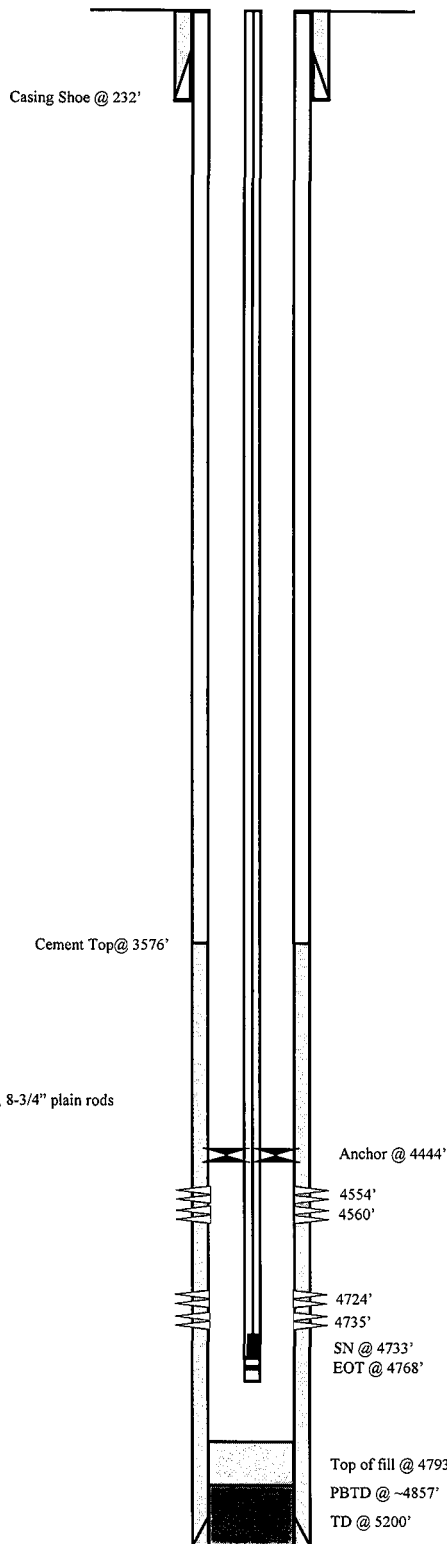
Frac sand as follows:

11,500# 20/40 sand in 300 bbls crude oil, + 4000# 8/12 beads in 8000 gal. crude oil. Treated @ avg press of 4350 psi w/avg rate of 25 BPM.

6/23/64 4554', 4560'

Frac sand as follows:

12,600# 20/40 sand in 326 bbls crude oil, + 4000# 8/12 beads in 8000 gal. crude oil. Treated @ avg press of 4200 psi w/avg rate of 25 BPM.

PERFORATION RECORD

6/16/64	4735'	5 SPF	05 holes
6/16/64	4724'	5 SPF	05 holes
6/23/64	4560'	5 SPF	05 holes
6/23/64	4554'	5 SPF	05 holes



**Walton Federal #2-14-9-16**  
 542' FNL & 1869' FEL  
 NWNE Section 14-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-15793; Lease #UTU-096550

## Monument Fed. 41-14J-9-16

Spud Date: 12/01/93  
Put on Production: 1/07/94  
Put on Injection: 10/29/93  
GL: 5529' KB: 5539'

Initial Production: 20 BOPD,  
60 MCFD, 10 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 6 jts. (271.04')  
DEPTH LANDED: 279'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 150 sxs Class "G" cmt, est 4 bbls cmt to surf.

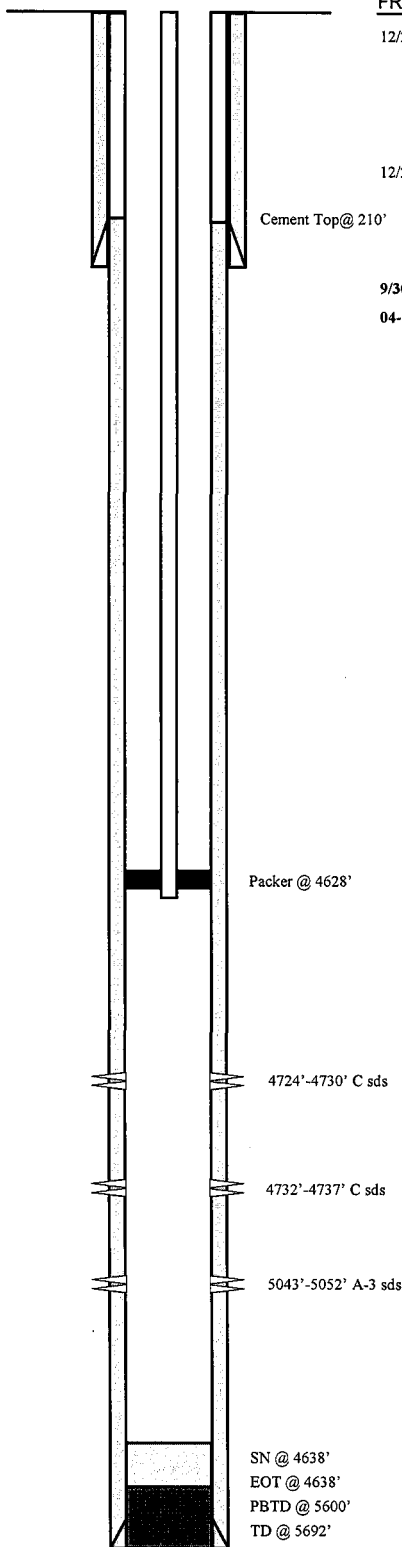
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: K-55  
WEIGHT: 15.5#  
LENGTH: 131 jts. (5637.81')  
DEPTH LANDED: 5646.81' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 225 sxs Hi-Lift & 261 sxs Class "G".  
CEMENT TOP AT: 210' per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 149 jts (4627.28')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4627.3' KB  
2 7/8" x 2 3/8" CROSS-OVER: 4628.4' KB  
PACKER: 4628.8' KB  
TOTAL STRING LENGTH: EOT @ 4638'

### Injection Wellbore Diagram



### FRAC JOB

12/23/93	5043'-5052'	<b>Frac sand as follows:</b> 12,500# 20/40 sand + 6,500# 16/30 sand in 194 bbls 2% KCl fluid. Treated @ avg press of 2300 psi w/avg rate of 19 BPM. ISIP 2800 psi. Calc. flush: 5043 gal, Actual flush: 1344 gal. Screened out.
12/28/93	4724'-4737'	<b>Frac sand as follows:</b> 27,500# 16/30 sand in 354 bbls 2% KCl fluid. Treated @ avg press of 2100 psi w/avg rate of 19.5 BPM. ISIP 2100 psi. Calc. flush: 4724 gal, Actual flush: 4660 gal.
9/30/08		<b>Zone Stimulation.</b>
04-08-10		<b>5 YR MIT</b>

### PERFORATION RECORD

12/22/93	5043'-5052'	2 JSPF	18 holes
12/28/93	4732'-4737'	2 JSPF	10 holes
12/28/93	4724'-4730'	2 JSPF	12 holes



**Monument Fed. #41-14J-9-16**  
363' FNL & 600' FEL  
NENE Section 14-T9S-R16E  
Duchesne Co, Utah  
API #43-013-31408; Lease #U-096550

## Walton Federal #4-11-9-16

Spud Date: 11/27/1964  
Put on Production: 1/14/1965  
GL: 5605' KB: 5615'

Initial Production: 155 BOPD, 40 MCFD,  
0 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 9-5/8"  
GRADE: J-55  
WEIGHT: 32.2#  
LENGTH: 6 jts. (193')  
DEPTH LANDED: 203' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 200 sxs Class "G" cmt.

PRODUCTION CASING

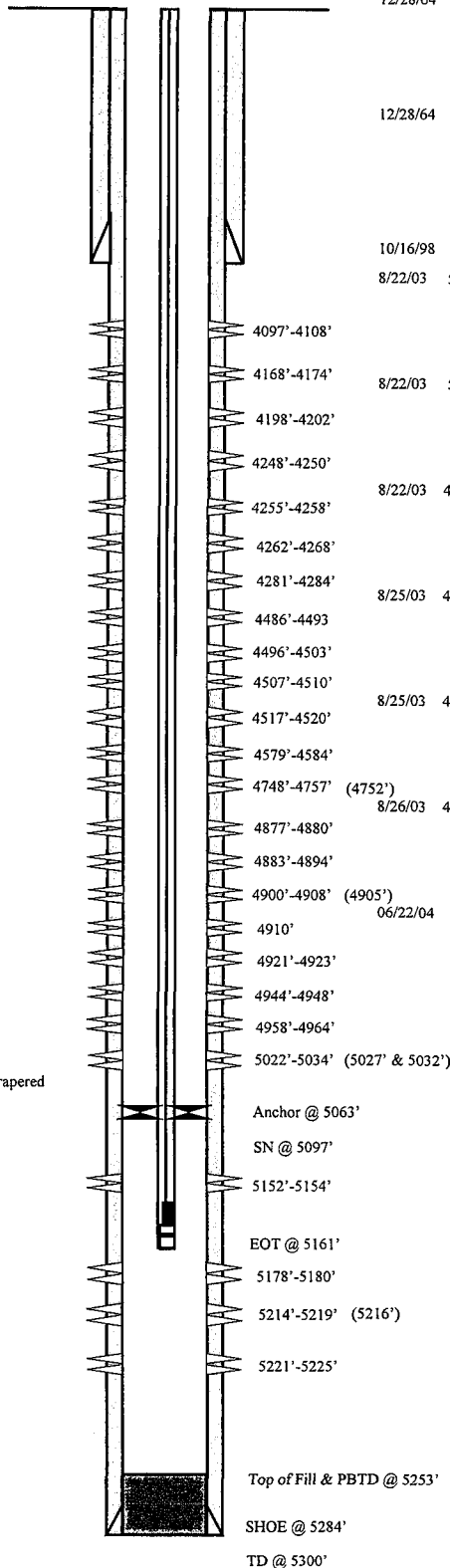
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 176 jts. (5274')  
DEPTH LANDED: 5284'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs cement  
CEMENT TOP AT: ? per CBL

TUBING

SIZE/GRADE/WT.: 2 7/8" / J-55 / 6.5#  
NO. OF JOINTS: 159 jts (5052.80') KB  
TUBING ANCHOR: 5062.80'  
NO. OF JOINTS: 1 jts (31.80')  
SEATING NIPPLE: 2 7/8" (1.10')  
SN LANDED AT: 5097.40' KB  
NO. OF JOINTS: 2 jts (61.88')  
TOTAL STRING LENGTH: EOT @ 5160.83' w/10' KB

SUCKER RODS

POLISHED ROD: 1 1/2" x 22'  
SUCKER RODS: 6-1 1/2" weight bars; 30-3/4" guided rods; 73-3/4" scraped rods, 94-3/4" scraped rods, 1-4', 1-2' x 3/4" pony rods.  
PUMP SIZE: 2 1/2" x 1 1/2" x 15.5' RHAC pump  
STROKE LENGTH: 74"  
PUMP SPEED, SPM: 4 SPM  
LOGS: DIGL/SP/GR/CAL

FRAC JOB

12/28/64 5027'-5216' **Frac zones as follows:**  
17,750# 20/40 sand in 400 bbls crude oil, + 2000# 8/12 beads in 4200 gal. crude oil. Treated @ avg press of 4000 psi w/avg rate of 18.7 BPM.

12/28/64 4752'-4910' **Frac zones as follows:**  
16,000# 20/40 sand in 416 bbls crude oil, + 900# 8/12 beads in 1800 gal. crude oil. Treated @ avg press of 3500 psi w/avg rate of 37 BPM. Calc. flush: 4752 gal. Actual flush: 4956 gal.

10/16/98 Test tubing. Update rod and tubing details.

8/22/03 5152'-5225' **Frac A1 and 3 sands as follows:**  
39,882# 20/40 sand in 211 bbls Viking I-25 fluid. Treated @ avg press of 3225 psi w/avg rate of 14.5 BPM. ISIP 1950 psi. Calc flush: 1323 gal. Actual flush: 1218 gal.

8/22/03 5022'-5034' **Frac B2 sands as follows:**  
19,591# 20/40 sand in 115 bbls Viking I-25 fluid. Treated @ avg press of 3000 psi w/avg rate of 15 BPM. ISIP 1860 psi. Calc flush: 1276 gal. Actual flush: 1154 gal.

8/22/03 4877'-4964' **Frac C & B sands as follows:**  
50,555# 20/40 sand in 273 bbls Viking I-25 fluid. Treated @ avg press of 3050 psi w/avg rate of 14.7 BPM. ISIP 1920 psi. Calc flush: 1254 gal. Actual flush: 1197 gal.

8/25/03 4748'-4757' **Frac D1 sands as follows:**  
19,742# 20/40 sand in 245 bbls Viking I-25 fluid. Treated @ avg press of 2493 psi w/avg rate of 20.2 BPM. ISIP 2070 psi. Calc flush: 4746 gal. Actual flush: 4662 gal.

8/25/03 4486'-4584' **Frac PB/X sands as follows:**  
50,279# 20/40 sand in 414 bbls Viking I-25 fluid. Treated @ avg press of 2517psi w/avg rate of 22 BPM. ISIP 2320 psi. Calc flush: 4484 gal. Actual flush: 4410 gal.

8/26/03 4097'-4284' **Frac GB sands as follows:**  
100,000# 20/40 sand in 693 bbls Viking I-25 fluid. Treated @ avg press of 1962psi w/avg rate of 20.5 BPM. ISIP 1870 psi. Calc flush: 4095 gal. Actual flush: 4011 gal.

06/22/04 Tubing Leak. Update Rod detail.

PERFORATION RECORD

Date	Depth	SPF	Holes
12/26/64	5216'	3 SPF	03 holes
12/26/64	5032'	3 SPF	03 holes
12/26/64	5027'	3 SPF	03 holes
12/28/64	4910'	3 SPF	03 holes
12/28/64	4905'	3 SPF	03 holes
12/28/64	4752'	3 SPF	03 holes
8/21/03	5221'-5225'	2 JSPF	8 holes
8/21/03	5214'-5219'	2 JSPF	10 holes
8/21/03	5178'-5180'	4 JSPF	8 holes
8/21/03	5152'-5154'	4 JSPF	8 holes
8/21/03	5022'-5034'	2 JSPF	22 holes
8/21/03	4958'-4964'	4 JSPF	24 holes
8/21/03	4944'-4948'	4 JSPF	16 holes
8/21/03	4921'-4923'	2 JSPF	4 holes
8/21/03	4900'-4908'	2 JSPF	16 holes
8/21/03	4883'-4894'	2 JSPF	22 holes
8/21/03	4877'-4880'	2 JSPF	6 holes
8/21/03	4748'-4757'	2 JSPF	18 holes
8/25/03	4579'-4584'	4 JSPF	20 holes
8/25/03	4517'-4520'	2 JSPF	6 holes
8/25/03	4507'-4510'	2 JSPF	6 holes
8/25/03	4496'-4503'	2 JSPF	14 holes
8/25/03	4486'-4493'	2 JSPF	14 holes
8/26/03	4281'-4284'	2 JSPF	6 holes
8/26/03	4262'-4268'	2 JSPF	12 holes
8/26/03	4255'-4258'	2 JSPF	6 holes
8/26/03	4248'-4250'	2 JSPF	4 holes
8/26/03	4198'-4202'	2 JSPF	8 holes
8/26/03	4168'-4174'	2 JSPF	12 holes
8/26/03	4097'-4108'	2 JSPF	22 holes

NEWFIELD

Walton Federal #4-11-9-16

1980' FNL & 1975' FWL  
SENW Section 11-T9S-R16E

Duchesne Co, Utah

API #43-013-15795; Lease #U-096550

MHB 7/27/04



**Multi-Chem Group, LLC**

Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

**Water Analysis Report**Production Company: **NEWFIELD PRODUCTION (158)**Sample ID: **WA-35269**Well Name: **SOUTH WELLS DRAW INJ**Sample Point: **Tri-plex suction**Sample Date: **1 /5 /2010**Sales Rep: **Randy Huber**Lab Tech: **John Keel**

Sample Specifics	
Test Date:	1/5/2010
Temperature (°F):	100
Sample Pressure (psig):	0
Specific Gravity (g/cm³):	1.0080
pH:	8.5
Turbidity (NTU):	-
Calculated T.D.S. (mg/L):	14518
Molar Conductivity (µS/cm):	21997
Resistivity (Mohm):	0.4546

Analysis @ Properties in Sample Specifics			
Cations		mg/L	Anions
Calcium (Ca):		40.00	Chloride (Cl):
Magnesium (Mg):		48.80	Sulfate (SO <sub>4</sub> ):
Barium (Ba):		3.00	Dissolved CO <sub>2</sub> :
Strontium (Sr):		-	Bicarbonate (HCO <sub>3</sub> ):
Sodium (Na):		5221.00	Carbonate (CO <sub>3</sub> ):
Potassium (K):		-	H <sub>2</sub> S:
Iron (Fe):		2.29	Phosphate (PO <sub>4</sub> ):
Manganese (Mn):		0.18	Silica (SiO <sub>2</sub> ):
Lithium (Li):		-	Fluoride (F):
Aluminum (Al):		-	Nitrate (NO <sub>3</sub> ):
Ammonia NH <sub>3</sub> :		-	Lead (Pb):
			Zinc (Zn):
			Bromine (Br):
			Boron (B):

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
		Calcium Carbonate		Gypsum		Calcium Sulfate		Strontium Sulfate		Barium Sulfate		Calculated
		CaCO <sub>3</sub>		CaSO <sub>4</sub> · 2H <sub>2</sub> O		CaSO <sub>4</sub>		SrSO <sub>4</sub>		BaSO <sub>4</sub>		
Temp °F	Gauge Press. psi	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi
100	0	18.63	61.28	0.01	-2464.50	0.00	-2627.60	-	-	19.57	4.84	0.12
80	0	14.85	60.19	0.01	65.24	0.00	-2798.30	-	-	29.93	4.93	0.07
100	0	18.63	61.28	0.01	76.56	0.00	-2627.60	-	-	19.57	4.84	0.08
120	0	21.65	59.58	0.01	82.61	0.01	-2371.20	-	-	13.09	4.71	0.09
140	0	23.90	57.39	0.01	83.93	0.01	-2066.00	-	-	8.93	4.52	0.10
160	0	25.14	55.68	0.01	81.37	0.01	-1744.20	-	-	6.21	4.27	0.11
180	0	25.30	54.75	0.01	76.58	0.01	-1430.50	-	-	4.39	3.93	0.12
200	0	24.51	54.39	0.01	70.28	0.02	-1141.40	-	-	3.14	3.46	0.12
220	2.51	22.80	54.08	0.01	62.89	0.03	-898.26	-	-	2.22	2.79	0.12
240	10.3	20.78	51.88	0.01	53.89	0.04	-678.18	-	-	1.62	1.93	0.12
260	20.76	18.51	46.86	0.01	45.00	0.07	-494.29	-	-	1.19	0.80	0.12
280	34.54	16.19	40.18	0.02	37.07	0.11	-344.07	-	-	0.88	-0.70	0.12
300	52.34	13.94	33.58	0.02	30.34	0.19	-223.92	-	-	0.65	-2.65	0.12

**Conclusions:**

Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F

Gypsum Scaling Index is negative from 80°F to 300°F

Calcium Sulfate Scaling Index is negative from 80°F to 300°F

Strontium Sulfate scaling was not evaluated

Barium Sulfate NO CONCLUSION

**Notes:**



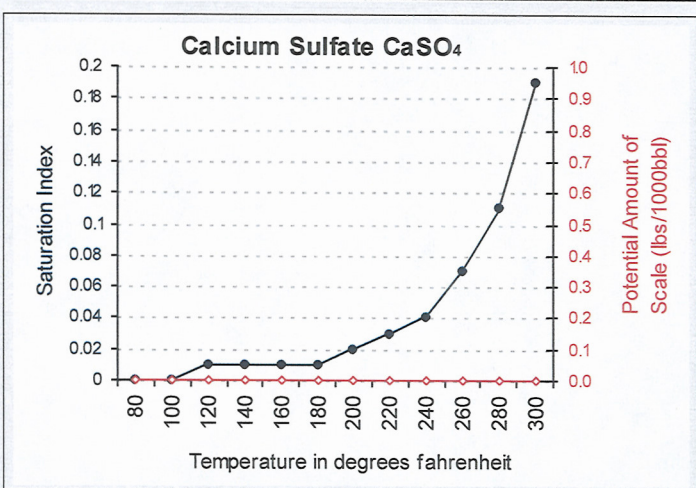
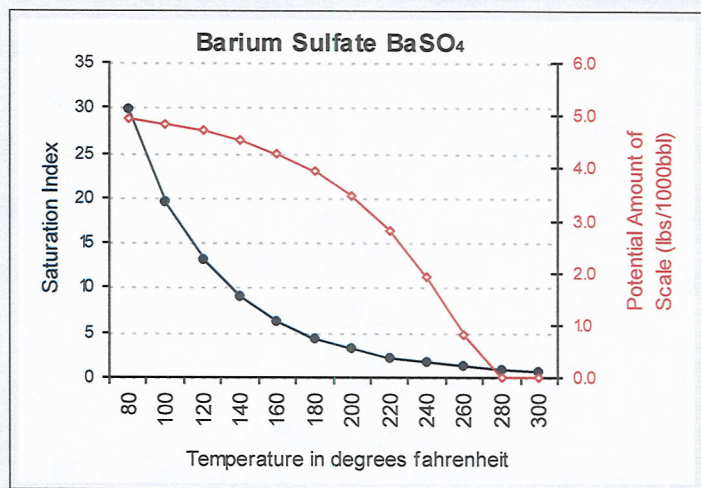
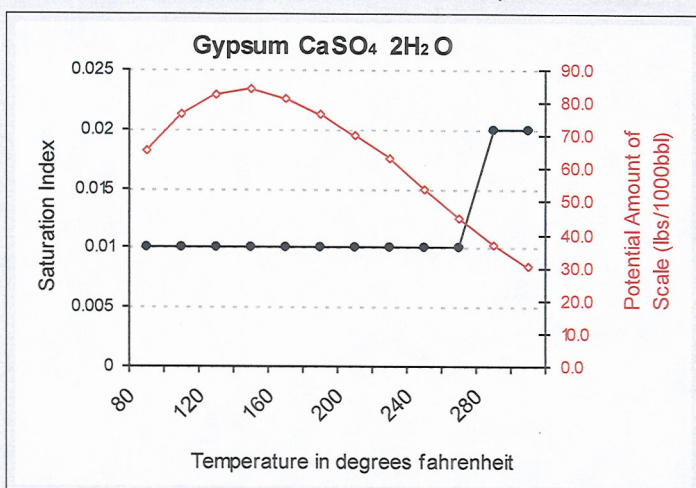
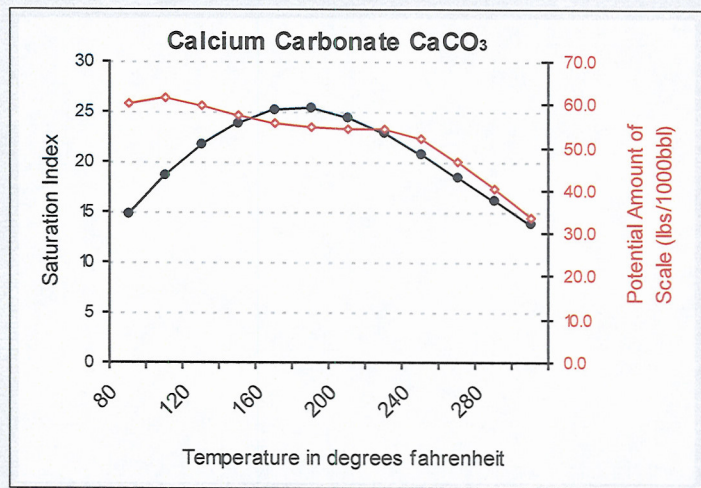
**Multi-Chem Group, LLC**

Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

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**Scale Prediction Graphs**Well Name: **SOUTH WELLS DRAW INJ**Sample ID: **WA-35269**



**Multi-Chem Group, LLC**

Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

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**Water Analysis Report**Production Company: **NEWFIELD PRODUCTION (158)**Sample ID: **WA-47870**Well Name: **mon 33-11j-9-16**Sample Point: **tank**Sample Date: **10/12/2010**Sales Rep: **Monty Frost**Lab Tech: **Peter Poulsen**

Sample Specifics	
Test Date:	10/13/2010
Temperature (°F):	100
Sample Pressure (psig):	0
Specific Gravity (g/cm³):	1.0041
pH:	8
Turbidity (NTU):	-
Calculated T.D.S. (mg/L)	7132
Molar Conductivity (µS/cm):	10805
Resistivity (Mohm):	0.9255

Analysis @ Properties in Sample Specifics			
Cations		Anions	
	mg/L		mg/L
Calcium (Ca):	43.18	Chloride (Cl):	3000.00
Magnesium (Mg):	22.64	Sulfate (SO₄):	303.52
Barium (Ba):	42.66	Dissolved CO₂:	-
Strontium (Sr):	-	Bicarbonate (HCO₃):	1268.00
Sodium (Na):	2449.00	Carbonate (CO₃):	-
Potassium (K):	-	H₂S:	1.00
Iron (Fe):	1.40	Phosphate (PO₄):	-
Manganese (Mn):	0.10	Silica (SiO₂):	-
Lithium (Li):	-	Fluoride (F):	-
Aluminum (Al):	-	Nitrate (NO₃):	-
Ammonia NH₃:	-	Lead (Pb):	-
		Zinc (Zn):	-
		Bromine (Br):	-
		Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl											
		Calcium Carbonate CaCO₃		Gypsum CaSO₄ · 2H₂O		Calcium Sulfate CaSO₄		Strontium Sulfate SrSO₄		Barium Sulfate BaSO₄		Calculated CO₂	
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi	
Temp °F	Gauge Press. psi												
100	0	7.31	18.93	0.01	-1900.30	0.01	-2044.00	-	-	419.76	72.30	0.33	
80	0	5.51	14.93	0.01	8.45	0.01	-2188.00	-	-	635.24	72.37	0.16	
100	0	7.31	18.93	0.01	12.91	0.01	-2044.00	-	-	419.75	72.30	0.20	
120	0	9.07	22.41	0.01	16.50	0.01	-1833.50	-	-	284.04	72.21	0.22	
140	0	10.81	25.66	0.01	19.52	0.01	-1586.50	-	-	196.35	72.08	0.25	
160	0	12.41	28.47	0.01	21.72	0.01	-1328.70	-	-	138.37	71.90	0.28	
180	0	13.74	30.54	0.02	22.70	0.02	-1079.20	-	-	99.18	71.66	0.31	
200	0	14.75	31.71	0.02	22.26	0.03	-850.64	-	-	72.17	71.34	0.31	
220	2.51	15.28	32.17	0.02	20.82	0.04	-657.64	-	-	52.27	70.90	0.31	
240	10.3	15.52	31.59	0.02	18.84	0.06	-486.08	-	-	38.88	70.35	0.32	
260	20.76	15.41	30.31	0.02	16.92	0.09	-344.24	-	-	29.19	69.62	0.32	
280	34.54	15.00	28.45	0.02	15.23	0.15	-230.02	-	-	22.07	68.68	0.33	
300	52.34	14.34	26.12	0.02	13.77	0.25	-140.23	-	-	16.78	67.46	0.33	

**Conclusions:**

Calcium Carbonate scale is indicated at all temps from 80°F to 300°F

Gypsum Scaling Index is negative from 80°F to 300°F

Calcium Sulfate Scaling Index is negative from 80°F to 300°F

Strontium Sulfate scaling was not evaluated

Barium Sulfate scale is indicated at all temps from 80°F to 300°F

**Notes:**



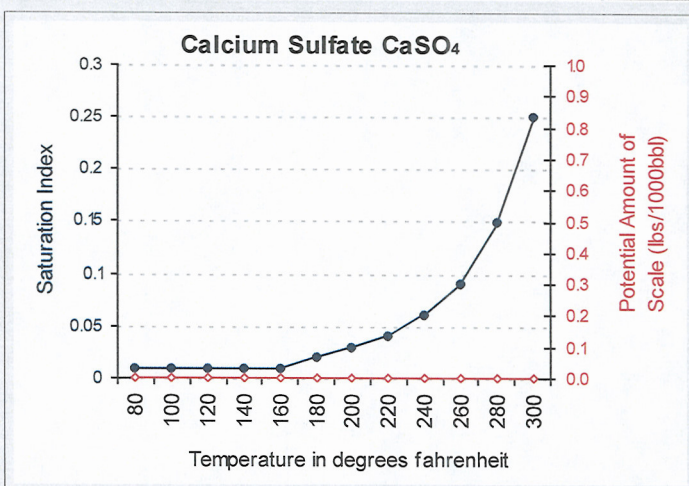
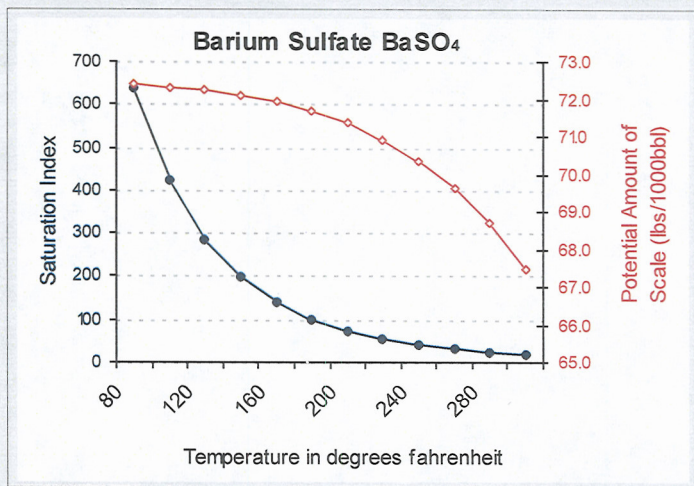
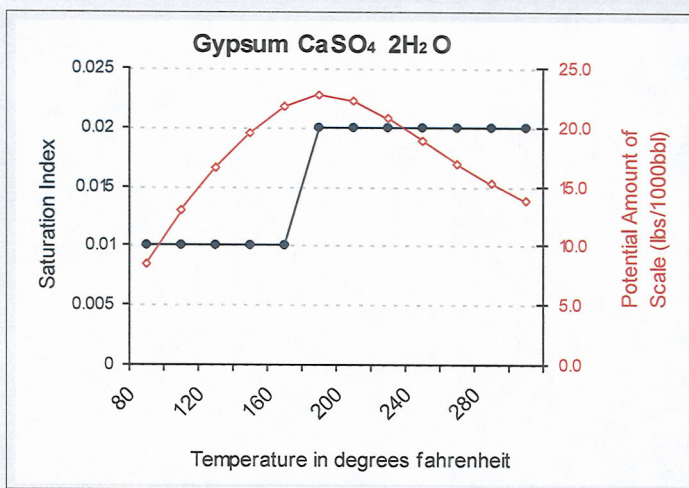
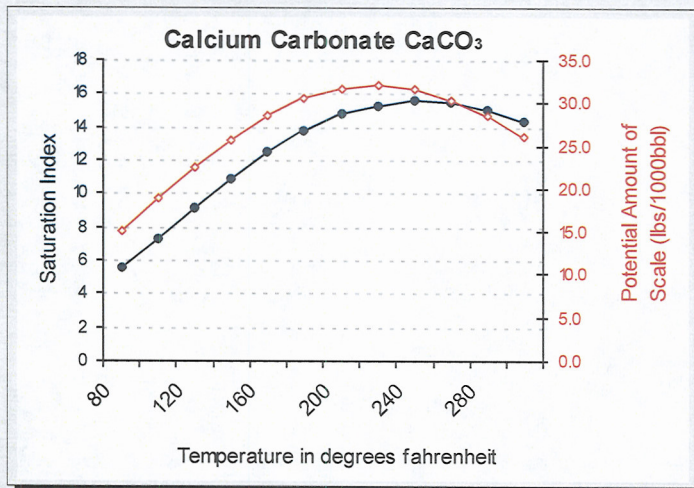
**Multi-Chem Group, LLC**

Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

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**Scale Prediction Graphs**Well Name: **mon 33-11j-9-16**Sample ID: **WA-47870**

# Attachment "G"

## Balcron Monument Federal 33-11J-9-16 Proposed Maximum Injection Pressure

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5191	5208	5200	1800	0.78	1766 ←
4861	4883	4872	2000	0.84	1968
5590	5652	5621	1840	0.76	1804
4213	4239	4226	1930	0.89	1903
				Minimum	<u>1766</u>

### Calculation of Maximum Surface Injection Pressure

$$P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$$
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.015.

$$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$$

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.



# ENERGY COMPANY ATTACHMENT G-1

## BALCRON OIL DIVISION

1 WORKOVER REPORT

1 of 15

Wellname Wm. W. 115 33-115 Sec. 11 Twn. 25 Rng. 16E  
 Field Wm. W. 115 County Quincy State Utah  
 Total Depth 5820 PBD 5743 KB 10 Elev. GL 5608  
 TBG Size 2 7/8 Wt 45 #/ft. Rng. 2 CSG Size 5 1/2 Wt 15.5 #/ft. Rng. 3  
 Perforations / Open Hole : 5191-95, 5200-08 4 por. ft.  
 Present Operation : Prep to trip in with plug & packer.  
 Description of Operations : Work in rig up Cannon Well servid.

Pick up bit & scraper trip in to PBD. Circulate hole  
with 200 FC2 water. Trip out. Run Bond log with  
1000# Good bond. Perf. 5191-95, 5200-08, 4 holes per foot.  
SD.F.N.

### DAILY COSTS :

Completion Rig	\$ 1500	Chemicals	\$	Packers	\$
BOP Rental	\$ 125	Transportation	\$	Wellhead Equip.	\$
Hot Oil	\$	Tank Rental	\$	Valves & Fittings	\$
Equipment Rental	\$ 100	Tubing	\$ 14200	Treater / Separator	\$
Completion Fluid	\$	Rods	\$	Tanks	\$
Log / Perforate	\$ 11695	Pony & Pups	\$	Contract Labor	\$
Stimulation	\$	Downhole Pump	\$	Supervision	\$
Cementing	\$	TA, MA, SN	\$	Miscellaneous	\$
Daily Total	\$ 13310	anchors	950		
Cumulative Cost	\$				

Operations Supervisor : W. W. 115





# ENERGY COMPANY ATTACHMENT G-1

BALCRON OIL DIVISION

WORKOVER REPORT

2 of 15

Wellname Monument Field 33-11T Sec. 11 Twn. 9S Rng. 16E  
 Field Monument Field County Duchesne State Utah  
 Total Depth 5800 PBD 5743 KB 10 Elev. GL 5608  
 TBG.: Size 2 7/8 Wt. 16.5 #/ft. Rng. 0 CSG: Size 5 1/2 Wt. 21.5 #/ft. Rng. 3  
 Perforations / Open Hole: 5171, 5195, 5200-5208, 4 no. 11

Present Operation:

Description of Operations: Top of hole with bridge packer, set  
Bridge packer at 5348', pull up & set packer. Running at  
5147. Break down with 2.5 HCL water. Break good at  
1600'. Get rate of 8.2 bbl/min at 2400'. Drop balls &  
slow to 6 bbl/min. Get good ball action & then Ball  
off. Release pressure & let balls fall. Get 6.5 bbl/min  
at 1800'. Shut down. ISIP 500. 5 min Vac. Start  
swabbing. Build up at 600' level to recover 6.8 bbl.  
Swabbed total of 6.1 bbl. Test & have made 2  
pulls per hr & rec. 2 1/2 bbl per hr, with 5.00  
oil cut & some amount of gas. Shut well in &  
shut down for nitr.

## DAILY COSTS:

Completion Rig	\$ 1790	Chemicals	\$	Packers	\$ 1000
BOP Rental	\$ 135	Transportation	\$	Wellhead Equip.	\$
Hot Oil	\$	Tank Rental	\$	Valves & Fittings	\$
Equipment Rental	\$ 100	Tubing	\$	Treater / Separator	\$
Completion Fluid	\$	Rods	\$	Tanks	\$
Log / Perforate	\$	Pony & Pups	\$	Contract Labor	\$
Stimulation	\$ 1530	Downhole Pump	\$	Supervision	\$
Cementing	\$	TA, MA, SN	\$	Miscellaneous	\$
Daily Total:	\$ 1345				
Cumulative Cost:	\$				

Operations Supervisor: Al Plumb

Wellname 33-110 Sec. 11 Twn. 4S Rng. 16E  
 Field Manuel County San Juan State Utah  
 Total Depth 5800 PBD 5743 KB 10 Elev. GL 5608  
 TBG.: Size 2 7/8 Wt. 6.5 #/ft. Rng. 3 CSG: Size 5 1/2 Wt. 15.5 #/ft. Rng. 3  
 Perforations / Open Hole : 5175-5200-5208 4 por. 6".  
 Present Operation :

Description of Operations: Testing process 15' fluid level at  
3600'. First pull 9 bbl. to 5% oil cut. Swab  
5 hrs. 1 pull per hr. lost 2 bbl. 1/4 bbl. per  
pull 4-5% oil. good gas. Total worked 16 1/2 bbl.  
that with 11' wait for gas  
on 7-6-94

## DAILY COSTS :

Completion Rig	\$	Chemicals	\$	Packers	\$
BOP Rental	\$	Transportation	\$	Wellhead Equip.	\$
Hot Oil	\$	Tank Rental	\$	Valves & Fittings	\$
Equipment Rental	\$ <u>100</u>	Tubing	\$	Treater / Separator	\$
Completion Fluid	\$	Rods	\$	Tanks	\$
Log / Perforate	\$	Pony & Pups	\$	Contract Labor	\$
Stimulation	\$	Downhole Pump	\$	Supervision	\$
Cementing	\$	TA, MA, SN	\$	Miscellaneous	\$
Daily Total :	\$				
Cumulative Cost :	\$				

Operations Supervisor : [Signature]

Wellname Monument 32 IN Sec. 11 DATE: 7-6-94  
 Field Monument Butte County Duchesne Twn. 95 Rng. 16E  
 Total Depth 5800 PBTD 5743 KB 10 State Utah  
 TBG.: Size 2 7/8 Wt. 6.5 #/ft. Rng. 2 CSG: size 5 1/2 Wt. 25.5 #/ft. Rng. 3  
 Perforations / Open Hole: 5191-95, 5200-08, 4 per. ft.  
 Present Operation:

Description of Operations: With no tank of water for frac.  
job. Release packers out of hole.  
Western a 2 1/2" rig up Western & Frac.  
Average Pressure 1900, average rate 30 bbl. min. Instant  
S.I.P. 1800. 36800 lbs sand used. Fluid to recover  
380 bbl. Shut well in for site.

## DAILY COSTS:

Completion Rig	\$	1025	Chemicals	\$		Packers	\$	
BOP Rental	\$	135	Transportation	\$		Wellhead Equip.	\$	
Hot Oil	\$	300	Tank Rental	\$		Valves & Fittings	\$	
Equipment Rental	\$	100	Tubing	\$		Treater / Separator	\$	
Completion Fluid	\$	2995	Rods	\$		Tanks	\$	
Log / Perforate	\$		Pony & Pups	\$		Contract Labor	\$	
Stimulation	\$	28600	Downhole Pump	\$		Supervision	\$	
Cementing	\$		TA, MA, SN	\$		Miscellaneous	\$	
Daily Total:	\$	33,325						
Cumulative Cost:	\$							

Operations Supervisor

J.P. [Signature]



EQUITABLE RESOURCES  
ENERGY COMPANY  
BALCRON OIL DIVISION

ATTACHMENT G-1

5 of 15

DAILY COMPLETION / WORKOVER REPORT

Wellname Monument Fed. 33-115 Sec. 11 Twn. 9S Rng. 16E  
Field Monument Butte County Duchesne State Utah

Total Depth                      PBD                      KB 10 Elev. GL                     

TBG.: Size 2 7/8 Wt. 6.5 #/ft. Rng. 2 CSG: Size 5 1/2 Wt. 15.5 #/ft. Rng. 3

Perforations / Open Hole: 5191-95, 5200-08

Present Operation: New Completion

Description of Operations: Cas. 0 PSI.

0700' T.H. W/ RETRIEVING TOOL, 2 7/8" X 4' SUB, HD PKR., SEAT NIPPLE.

+ 157 JTS, 2 7/8 TBG., TAG SAND AT 5094' KB.

CIRCULATE DOWN TO BP AT 5248' KB.

SET PKR. AT 5140' KB.

MADE 30 SWAB RUNS

RECOVERED 180 BBL. FLUID.

1/2 BBL. OIL

179 1/2 BBL. WATER

GOOD GAS

LAST 10 RUNS, FLUID LEVEL STBL AT 2500'

" 2 " 3% OIL.

                    "

1700 SWIFN

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DAILY COSTS:

Completion Rig	\$ 1624	Chemicals	\$	Packers	\$ 1908
BOP Rental	\$ 125	Transportation	\$ 252	Wellhead Equip.	\$
Hot Oil	\$	Tank Rental	\$	Valves & Fittings	\$
Equipment Rental	\$ 90	Tubing	\$	Treater / Separator	\$
Completion Fluid	\$	Rods	\$	Tanks	\$
Log / Perforate	\$	Pony & Pups	\$	Contract Labor	\$
Stimulation	\$	Downhole Pump	\$	Supervision	\$
Cementing	\$	TA, MA, SN	\$	Miscellaneous	\$
Daily Total:	\$				
Cumulative Cost:	\$				

Operations Supervisor: Dale Griffin



EQUITABLE RESOURCES  
ENERGY COMPANY  
BALCRON OIL DIVISION

ATTACHMENT G-1

60815

DAILY COMPLETION / WORKOVER REPORT

Wellname Monument Fed, 33-115 DATE: 7-8-94  
Field Monument Butte Sec. 11 Twn. 9S Rng. 16E  
County Duchesne State Utah  
Total Depth \_\_\_\_\_ PBD \_\_\_\_\_ KB 10' Elev. GL \_\_\_\_\_

TBG.: Size 2 7/8 Wt. 6.5 #/ft. Rng. 2 CSG: Size 5 1/2 Wt. 15.5 #/ft. Rng. 3

Perforations / Open Hole: 4861-64, 4868-83, 5191-95, 5200-08

Present Operation: New Completion

Description of Operations: Cal. 0 PSI, TBG. 75 PSI.

0700 TAG FLUID AT 1500' FROM SURFACE.

RELEASE PKR., TAG SAND AT 5210' KB.

CIRCULATE DOWN TO BP AT 5248' KB.

RELEASE BP, TRY TO RESET BP AT 4956' KB,

WOULD NOT SET. TOOK W/TBG. & TOOLS.

1000 RU SCHLUMBERGER TO PERF. 4861-64, 4868-83 4 SPF.

1230 RD " "

T.H. W/ BP, RETRIEVING TOOL, 2 7/8" X 4' SUB, 5 1/2 HD PKR.,

SEAT NIPPLE & 152 JTS, 2 7/8" TBG.

SET BP AT 4952' KB., SET PKR. AT 4848' KB.

1330 MADE 4 SWAB RUNS.

NO FLUID ENTRY

1530 SWIFD.

DAILY COSTS:

Completion Rig	\$ 1307	Chemicals	\$	Packers	\$
BOP Rental	\$ 125	Transportation	\$	Wellhead Equip.	\$
Hot Oil	\$	Tank Rental	\$ 90	Valves & Fittings	\$
Equipment Rental	\$ 90	Tubing	\$	Treater / Separator	\$
Completion Fluid	\$ 2100	Rods	\$	Tanks	\$
Log / Perforate	\$ 2281	Pony & Pups	\$	Contract Labor	\$
Stimulation	\$	Downhole Pump	\$	Supervision	\$
Cementing	\$	TA, MA, SN	\$	Miscellaneous	\$
Daily Total:	\$				
Cumulative Cost:	\$				

Operations Supervisor: Dale Griffin





## DAILY WORKOVER REPORT

WELL NAME: Monument Federal 33-11j-9-16Report Date: July 3, 2003Day: 01Operation: Re-completeRig: Pennant #11

## WELL STATUS

Surf Csg: 8 5/8 @ 276' Prod Csg: 5 1/2 @ 5792' WT: 15.5# Csg PBTD: 5747'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: N-80 Pkr/EOT @: 1412' BP/Sand PBTD: \_\_\_\_\_

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
C sds	4861-4864'	4/12			
C sds	4868-4883'	4/60			
A sds	5191-5195'	4/16			
A sds	5200-5208'	4/32			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: July 2, 2003SITP: 1750 SICP: 1750

MIRU Pennant #11. Bleed well off. RU HO trk & rev circ hole W/ 160 BW @ 250°F. Well stays flowing steady amount. ND wellhead. Release TA @ 4804'. NU BOP. TOH & talley production tbg-LD BHA. Had to stop & circulate oil & gas f/ well periodically. Talley, PU & TIH W/ 5 1/2" "TS" RBP, RH, tbg sub, 5 1/2" "HD" pkr & 43 jts 2 7/8 8rd 6.5# N-80 tbg. Well blew in. Rev circ hole & SIFN. Estimating no fluid loss for day.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 0 Starting oil rec to date: 0  
Fluid lost/recovered today: 0 Oil lost/recovered today: \_\_\_\_\_  
Ending fluid to be recovered: 0 Cum oil recovered: 0  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

## TUBING DETAIL

## AS PULLED:

KB 10.00'  
148 2 7/8 J-55 tbg  
TA @ 4804"  
13 2 7/8 J-55 tbg  
SN @ 5238"  
2 7/8 perf'd sub  
1 2 7/8 J-55 tbg  
2 7/8 NC @ 5274'

## ROD DETAIL

## AS PULLED:

NA

## COSTS

Pennant rig	\$1,967
Weatherford BOP	\$130
IPC wtr & truck	\$800
Zubiate HO trk	\$850
Weatherford scraper	\$300
Randys' TA repair	\$400
IPC trucking	\$800
IPC supervision	\$300

DAILY COST: \$5,547TOTAL WELL COST: \$5,547Workover Supervisor: Gary Dietz

ATTACHMENT G-1  
8 of 15

## DAILY WORKOVER REPORT

WELL NAME: Monument Federal 33-11j-9-16Report Date: July 4, 2003Day: 02Operation: Re-completeRig: Pennant #11

## WELL STATUS

Surf Csg: 8 5/8 @ 276' Prod Csg: 5 1/2 @ 5792' WT: 15.5# Csg PBTD: 5747'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: N-80 Pkr/EOT @: 3385' BP/Sand PBTD: 4930'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
C sds	4861-4864'	4/12			
C sds	4868-4883'	4/60			
A sds	5191-5195'	4/16			
A sds	5200-5208'	4/32			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: July 3, 2003SITP: 300 SICP: 300

Bleed well off. Rev circ hole. Con't PU & TIH W/ RBP, pkr & N-80 tbg f/ 1412'. Set plug @ 4930' & pkr @ 4899'. Pressure test tools to 3000 psi. Release pkr, pull up & re-set @ 4803'. Pump 10 BW into C sds (4861' through 4883') @ 2.2 BPM @ 2400 psi. Release pkr & TIH to 4908'. Spot 2 sks sand on plug. TOH W/ tbg & LD pkr. TIH W/ NC & N-80 tbg. Tag sd @ 4918' (12' sd on plug). Pull EOT to 4908'. RU BJ Services & pump 10 BW ahead, then mix & pump 100 sks class G cmt W/ 1% CACL2 & .5% FL-25 mixed @ 1.15 cf/sk yield & 15.8 ppg (20.6 bbls slurry). Spot across C sds W/ 22.8 bbls displacement. TOH W/ tbg to 3385'. Rev circ tbg 2X W/ 40 BW. SI annulus & RU BJ to tbg. Squeeze cmt away--pumped 12 bbls into perfs, then staged 3 times before locking up @ 3000 psi. Left approx. 6 bbls cmt in casing. Leave pressure on well & leave SI over weekend.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 0 Starting oil rec to date: 0  
Fluid lost/recovered today: 0 Oil lost/recovered today: \_\_\_\_\_  
Ending fluid to be recovered: 0 Cum oil recovered: 0  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

## TUBING DETAIL

## AS PULLED:

KB 10.00'  
148 2 7/8 J-55 tbg  
TA @ 4804"  
13 2 7/8 J-55 tbg  
SN @ 5238"  
2 7/8 perf'd sub  
1 2 7/8 J-55 tbg  
2 7/8 NC @ 5274'

## ROD DETAIL

## AS PULLED:

NA

## COSTS

Pennant rig	\$3,084
Weatherford BOP	\$130
Betts - cmt water	\$450
Weatherford tools/serv	\$2,550
BJ Services - cement	\$5,195
IPC supervision	\$300

DAILY COST: \$11,709TOTAL WELL COST: \$17,256Workover Supervisor: Gary Dietz





## DAILY WORKOVER REPORT

WELL NAME: Monument Federal 33-11j-9-16Report Date: July 9, 2003Day: 04Operation: Re-completeRig: Pennant #11

## WELL STATUS

Surf Csg: 8 5/8 @ 276' Prod Csg: 5 1/2 @ 5792' WT: 15.5# Csg PBTD: 5747'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: N-80 Pkr/EOT @: 5547' BP/Sand PBTD: 5704'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	NEW 4213-4222'	4/36	A sds	5191-5195'	4/16
GB6 sds	NEW 4227-4235'	4/32	A sds	5200-5208'	4/32
GB6 sds	NEW 4237-4239'	4/8	CP1 sds	NEW 5590-5597'	4/28
C sds	SQZD 4861-4864'	4/12	CP2 sds	NEW 5634-5652'	4/72
C sds	SQZD 4868-4883'	4/60			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: July 8, 2003SITP: 0 SICP: 0

Con't TOH W/ tbg f/ 4275'--LD bit & scraper. TIH W/ RH & tbg. Tag top of plug @ 4930'. C/O sm amt fill & circ hole clean. Release plug. Well flowed back steady amount for approx. 30 minutes, then slowed to a steady trickle. Con't PU & TIH W/ N-80 tbg. Tag fill @ 5712'. Pull up to 5704' & set plug. TOH W/ RH. RU Patterson WLT & perf new intervals as follows: stage #1: CP2 sds @ 5634-52' & CP1 sds @ 5590-97' and stage #2: GB6 sds @ 4213-22', 4227-35' & 4237-39'. All 4 JSPF in 2 runs total. RD WLT. TIH W/ Weatherford RH, tbg sub, new 5 1/2" "HD" pkr & N-80 tbg. Set pkr above perfs @ 4189' and test casing & pkr (dn annulus) to 3000 psi. Release pkr & con't TIH. Install frac valve & subs. Leave pkr unset W/ EOT @ 5547'. SIFN.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 0 Starting oil rec to date: 0  
Fluid lost/recovered today: 0 Oil lost/recovered today: \_\_\_\_\_  
Ending fluid to be recovered: 0 Cum oil recovered: 0  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

## STIMULATION DETAIL

Base Fluid used: \_\_\_\_\_ Job Type: \_\_\_\_\_

Company: \_\_\_\_\_

Procedure or Equipment detail: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## COSTS

Pennant rig	\$2,610
Weatherford BOP	\$130
Patterson - perfs	\$4,439
Weatherford tools/serv	\$1,550
RNI wtr disposal	\$200
IPC trucking	\$200
IPC supervision	\$300
_____	_____
_____	_____
_____	_____
_____	_____

Max TP: \_\_\_\_\_ Max Rate: \_\_\_\_\_ Total fluid pmpd: \_\_\_\_\_

Avg TP: \_\_\_\_\_ Avg Rate: \_\_\_\_\_ Total Prop pmpd: \_\_\_\_\_

ISIP: \_\_\_\_\_ 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: \_\_\_\_\_

Workover Supervisor: Gary DietzDAILY COST: \$9,429TOTAL WELL COST: \$31,713



## DAILY WORKOVER REPORT

WELL NAME: Monument Federal 33-11j-9-16Report Date: July 10, 2003Day: 05Operation: Re-completeRig: Pennant #11

## WELL STATUS

Surf Csg: 8 5/8 @ 276' Prod Csg: 5 1/2 @ 5792' WT: 15.5# Csg PBTD: 5747'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: N-80 Pkr/EOT @: 5547' BP/Sand PBTD: 5704'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	NEW 4213-4222'	4/36	A sds	5191-5195'	4/16
GB6 sds	NEW 4227-4235'	4/32	A sds	5200-5208'	4/32
GB6 sds	NEW 4237-4239'	4/8	CP1 sds	NEW 5590-5597'	4/28
C sds	SQZD 4861-4864'	4/12	CP2 sds	NEW 5634-5652'	4/72
C sds	SQZD 4868-4883'	4/60			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: July 9, 2003SITP: 400 SICP: 400

## Day 5(a):

Leave pressure on well. RBP @ 5704'. PU on tbg & set pkr elements @ 5547' (EOT @ 5557'). Monitor & bleed annulus off during frac. Maintained 100-200 psi. RU BJ Services to tbg and frac CP1/CP2 sds (5590' through 5652') W/ 59,124# 20/40 sand in 471 bbls Viking I-25 fluid. Perfs broke down @ 2210 psi. Treated @ ave press of 2896 psi W/ ave rate of 14 BPM. ISIP-1840 psi. RD BJ. Begin immediate flowback of frac on 12/64 choke @ 1 BPM. Zone flowed 2 3/4 hrs & died. Rec 154 BTF (est 33% of frac load). Pressure up on annulus & open bypass on pkr. Rev circ tbg clean. Release pkr & TIH W/ tbg. Tag sd @ 5664'. C/O sd to RBP @ 5704'. Circ hole clean W/ no fluid loss. Release plug. Est 317 BWTR.

## See day 5(b)

## FLUID RECOVERY (BBLS)

Starting fluid load to be recovered: 0 Starting oil rec to date: 0  
Fluid lost/recovered today: 317 Oil lost/recovered today: \_\_\_\_\_  
Ending fluid to be recovered: 317 Cum oil recovered: 0  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

## STIMULATION DETAIL

Base Fluid used: Viking I-25 Job Type: Sand frac  
Company: BJ Services  
Procedure or Equipment detail: CP1 & CP2 sands

## \*\*PUMPED DOWN 2 7/8 N-80 TUBING\*\*

5800 gals of pad

4138 gals W/ 1-4 ppg of 20/40 sand

8220 gals W/ 4-6.5 ppg of 20/40 sand

326 gals W/ 6.5 ppg of 20/40 sand

Flush W/ 1302 gals of slick water

## COSTS

Pennant rig	\$1,111
Weatherford BOP	\$130
Betts frac wtr	\$1,200
IPC fuel gas	\$150
BJ Services - CP sds	\$21,112
IPC frac valve	\$300
IPC supervision	\$150

Max TP: 4830 Max Rate: 15.7 BPM Total fluid pmpd: 471 bbls  
Avg TP: 2896 Avg Rate: 14 BPM Total Prop pmpd: 59,124#  
ISIP: 1840 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: .76  
Workover Supervisor: Gary Dietz

DAILY COST: \$24,153  
TOTAL WELL COST: \$55,866



## DAILY WORKOVER REPORT

WELL NAME: Monument Federal 33-11j-9-16Report Date: July 10, 2003Day: 05Operation: Re-completeRig: Pennant #11

## WELL STATUS

Surf Csg: 8 5/8 @ 276' Prod Csg: 5 1/2 @ 5792' WT: 15.5# Csg PBTD: 5747'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: N-80 Pkr/EOT @: 0 BP/Sand PBTD: 4280'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	NEW 4213-4222'	4/36	A sds	5191-5195'	4/16
GB6 sds	NEW 4227-4235'	4/32	A sds	5200-5208'	4/32
GB6 sds	NEW 4237-4239'	4/8	CP1 sds	NEW 5590-5597'	4/28
C sds	SQZD 4861-4864'	4/12	CP2 sds	NEW 5634-5652'	4/72
C sds	SQZD 4868-4883'	4/60			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: July 9, 2003SITP: 0 SICP: 0

## Day 5(b):

Move tbg & tools uphole. Re-set RBP @ 4280' & pkr @ 4250'. Pressure test plug to 2000 psi. Release pkr & TOH W/ tbg. NU isolation tool. RU BJ Services and frac GB6 sds (4213' through 4239') W/ 60,810# 20/40 sand in 462 bbls Viking I-25 fluid. Perfs broke down @ 1320 psi. Treated @ ave press of 1567 psi W/ ave rate of 24 BPM. ISIP-1930 psi. RD BJ. Begin immediate flowback of frac on 12/64 choke @ 1 BPM. Zone flowed 3 1/2 hrs & died. Rec 219 BTF (est 47% of frac load). SIFN W/ est 560 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 317 Starting oil rec to date: 0  
Fluid lost/recovered today: 243 Oil lost/recovered today: 0  
Ending fluid to be recovered: 560 Cum oil recovered: 0  
IFL: 0 FFL: 0 FTP: 0 Choke: 0 Final Fluid Rate: 0 Final oil cut: 0

## STIMULATION DETAIL

Base Fluid used: Viking I-25 Job Type: Sand fracCompany: BJ ServicesProcedure or Equipment detail: GB6 sands\*\*PUMPED DOWN 5 1/2" 15.5# CASING\*\*4600 gals of pad3000 gals W/ 1-5 ppg of 20/40 sand6000 gals W/ 5-8 ppg of 20/40 sand1668 gals W/ 8 ppg of 20/40 sandFlush W/ 4116 gals of slick water

## COSTS

Pennant rig	\$1,111
Weatherford service	\$550
Betts frac wtr	\$1,100
IPC fuel gas	\$150
BJ Services - GB sds	\$16,471
IPC frac tks (3X6 dys)	\$720
IPC flowback super	\$250
IPC supervision	\$150

Max TP: 2080 Max Rate: 25.7 BPM Total fluid pmpd: 462 bblsAvg TP: 1567 Avg Rate: 24 BPM Total Prop pmpd: 60,810#ISIP: 1930 5 min: 10 min: FG: .89Workover Supervisor: Gary DietzDAILY COST: \$20,502TOTAL WELL COST: \$76,368



ATTACHMENT G-1

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## DAILY WORKOVER REPORT

WELL NAME: Monument Federal 33-11j-9-16Report Date: July 11, 2003Day: 06Operation: Re-completeRig: Pennant #11

## WELL STATUS

Surf Csg: 8 5/8 @ 276' Prod Csg: 5 1/2 @ 5792' WT: 15.5# Csg PBTD: 5747'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: N-80 Pkr/EOT @: 5608' BP/Sand PBTD: 5712'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	NEW 4213-4222'	4/36	A sds	5191-5195'	4/16
GB6 sds	NEW 4227-4235'	4/32	A sds	5200-5208'	4/32
GB6 sds	NEW 4237-4239'	4/8	CP1 sds	NEW 5590-5597'	4/28
C sds	SQZD 4861-4864'	4/12	CP2 sds	NEW 5634-5652'	4/72
C sds	SQZD 4868-4883'	4/60			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: July 10, 2003SITP: \_\_\_\_\_ SICP: 200

Bleed pressure off well. Rec est 5 BTF W/ good gas, tr oil. ND isolation tool. TIH W/ RH & tbg. Tbg displaced 10 BW on TIH. Tag sd @ 4228'. C/O sd to RBP @ 4280'. Circ hole clean W/ no fluid loss. Release plug. Circ gas & oil f/ wellbore. Rec 30 BTF W/ some oil & gas. TOH W/ tbg-LD plug. TIH W/ NC & tbg. Tag fill @ 5712'. Pull EOT to 5608'. RU swab equipment. IFL @ sfc. Made 15 runs rec 243 BTF (est 215 BW & 28 BO) W/ light gas & small tr sd. FFL @ 2300'. FOC @ 30%. SIFN W/ est 310 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 560 Starting oil rec to date: 0  
Fluid lost/recovered today: 250 Oil lost/recovered today: 28  
Ending fluid to be recovered: 310 Cum oil recovered: 28  
IFL: sfc FFL: 2300' FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: 30%

## STIMULATION DETAIL

Base Fluid used: \_\_\_\_\_ Job Type: \_\_\_\_\_

Company: \_\_\_\_\_

Procedure or Equipment detail: \_\_\_\_\_

## COSTS

Pennant rig	\$3,104
Weatherford BOP	\$130
IPC wtr transfer	\$400
RNI wtr disposal	\$600
IPC supervision	\$300

Max TP: \_\_\_\_\_ Max Rate: \_\_\_\_\_ Total fluid pmpd: \_\_\_\_\_

Avg TP: \_\_\_\_\_ Avg Rate: \_\_\_\_\_ Total Prop pmpd: \_\_\_\_\_

ISIP: \_\_\_\_\_ 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: \_\_\_\_\_

Workover Supervisor: Gary DietzDAILY COST: \$4,534TOTAL WELL COST: \$80,902



## DAILY WORKOVER REPORT

WELL NAME: Monument Federal 33-11j-9-16Report Date: July 13, 2003Day: 08Operation: Re-completeRig: Pennant #11

## WELL STATUS

Surf Csg: 8 5/8 @ 276' Prod Csg: 5 1/2 @ 5792' WT: 15.5# Csg PBTD: 5747'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: N-80 Anchor @: 5554' BP/Sand PBTD: 5747'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	NEW 4213-4222'	4/36	A sds	5191-5195'	4/16
GB6 sds	NEW 4227-4235'	4/32	A sds	5200-5208'	4/32
GB6 sds	NEW 4237-4239'	4/8	CP1 sds	NEW 5590-5597'	4/28
C sds	SQZD 4861-4864'	4/12	CP2 sds	NEW 5634-5652'	4/72
C sds	SQZD 4868-4883'	4/60			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: July 12, 2003SITP: 0 SICP: 0

Con't PU & TIH W/ pump and A & B grade rod string f/ 2825' (complete as follows): repaired Randys' 2 1/2" X 1 1/2" X 16' RHAC pump, 6-1 1/2" weight rods ("A" grade), 10-3/4" scraped rods ("B" grade), 97-3/4" plain rods ("B" grade), 109-3/4" scraped rods ("B" grade), 1-4' & 1-2' X 3/4" pony rods ("B" grade) and 1 1/2" X 22' polished rod ("B" grade). Seat pump & RU pumping unit. W/ tbg full, pressure test pump & tbg to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 355 BWTR.

Place well on production @ 11:30 AM 7/12/2003 W/ 74" SL @ 6 SPM.

## FINAL REPORT!!

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 355 Starting oil rec to date: 43  
Fluid lost/recovered today: 0 Oil lost/recovered today: 0  
Ending fluid to be recovered: 355 Cum oil recovered: 43  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

## TUBING DETAIL

## ROD DETAIL

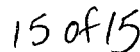
## COSTS

KB	10.00'	1 1/2" X 22' polished rod	Pennant rig	\$1,111
171	2 7/8 J-55 tbg (5543.87')	1-4' & 1-2' X 3/4" pony rods	IPC trucking	\$300
	TA (2.80' @ 5553.87' KB)	109-3/4" scraped rods	Randys' rod pump	\$1,000
1	2 7/8 J-55 tbg (32.54')	97-3/4" plain rods	A & B grade rod string	\$8,235
	SN (1.10' @ 5589.21' KB)	10-3/4" scraped rods	IPC location cleanup	\$300
2	2 7/8 J-55 tbg (64.96')	6-1 1/2" weight rods	IPC swb tks (2X8 dys)	\$640
	2 7/8 NC (.45')	Randys' 2 1/2" X 1 1/2" X 16'	Zubiate HO trk	\$500
EOT	5655.72' W/ 10' KB	RHAC pump W/ SM plunger	RNI wtr disposal	\$600
			IPC supervision	\$300

Workover Supervisor: Gary Dietz

DAILY COST: \$12,986  
TOTAL WELL COST: \$179,830





**Workover Supervisor:** Gary Dietz

## **ATTACHMENT H**

### **WORK PROCEDURE FOR PLUGGING AND ABANDONMENT**

1. Set CIBP @ 4163'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 213' balance plug using 25 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Perforate 4 JSPF @ 1600'
5. Plug #3 120' plug covering Uinta/Green River formation using 25sx Class "G" cement pumped under CICR and out perforations. Follow using 7 sx Class "G" cement pumped on top of CICR
6. Perforate 4 JSPF @ 326'
7. Plug #4 Circulate 92 sx Class "G" cement down 5 1/2" casing and up the 5-1/2" x 8-5/8" annulus

The approximate cost to plug and abandon this well is \$42,000.

## Balcron Mon. Fed. #33-11J-9-16

Spud Date: 6/16/1994  
 Put on Production: 7/25/1994  
 GL: 5608' KB: 5618'

Initial Production: 51.6 BOPD,  
 31.5 MCFD, 8.4 BWPD

Proposed P & A  
Wellbore DiagramSURFACE CASING

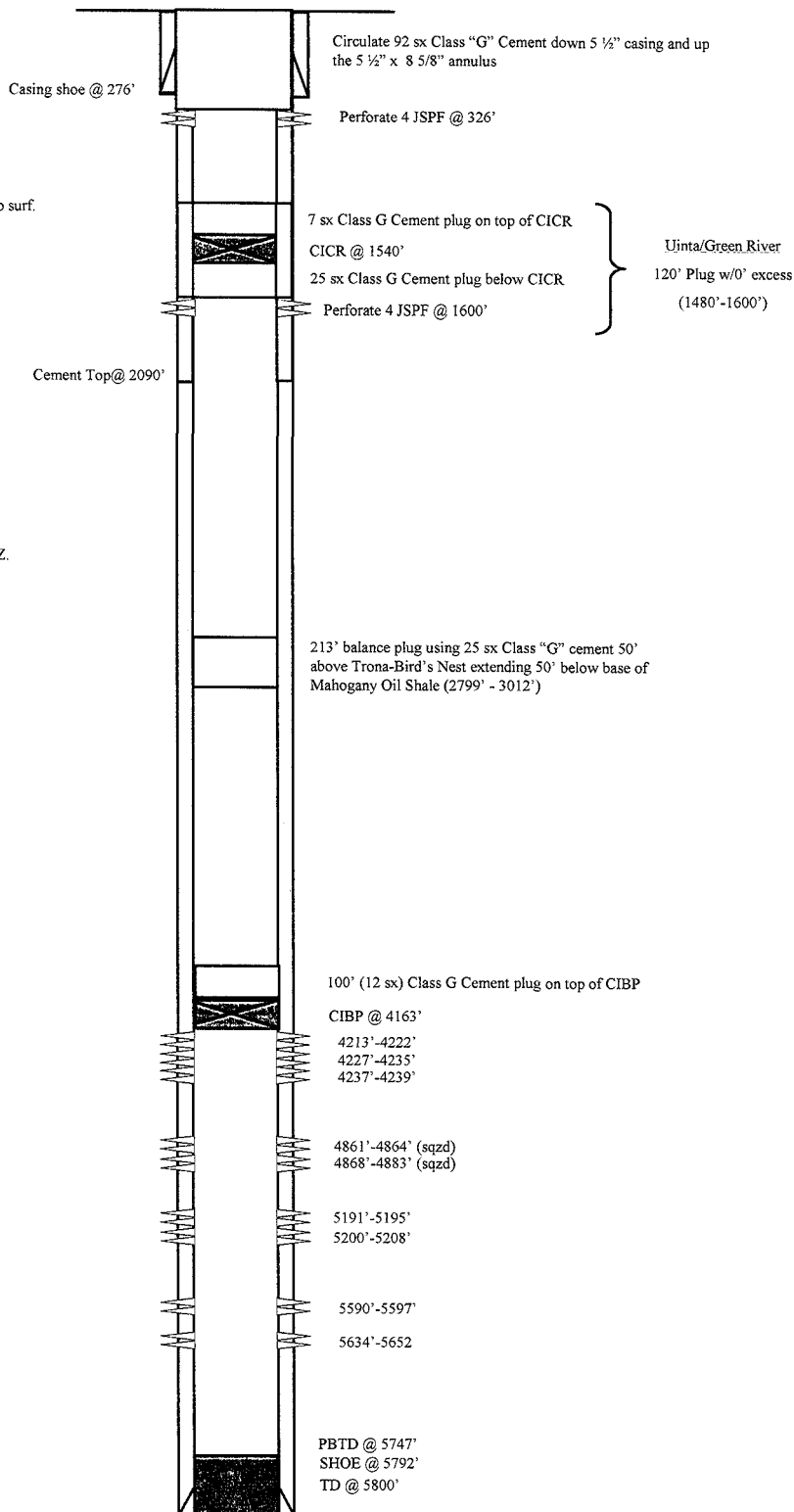
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 6 jts. (266.45')  
 DEPTH LANDED: 276.45'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 165 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 135 jts. (5780.91')  
 DEPTH LANDED: 5791.51' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 240 sxs Super "G" & 243 sxs 50/50 POZ.  
 CEMENT TOP AT: 2090' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 172 jts (5553.8')  
 TUBING ANCHOR: 5563.8' KB  
 NO. OF JOINTS: 1 jt (31.5')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5598.1' KB  
 NO. OF JOINTS: 2 jts. (65.0')  
 TOTAL STRING LENGTH: EOT @ 5665'



NEWFIELD



Balcron Mon. Fed. #33-11J-9-16

1970' FSL &amp; 2031' FEL

NW/SE Section 11-T9S-R16E

Duchesne Co, Utah

API #43-013-31451; Lease #UTU-096550

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1819 FSL 657 FWL

NWSW Section 11 T9S R16E

5. Lease Serial No.

USA UTU-096547

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

GMBU

8. Well Name and No.

MONUMENT FED 13-11J

9. API Well No.

4301315790

10. Field and Pool, or Exploratory Area

GREATER MB UNIT

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	_____
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production proposes to convert the above mentioned well from producing oil well to an injection well.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Jill Lovle

Signature

Title

Regulatory Technician

Date

4 Jan 2011

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)



4770 S. 5600 W.  
P.O. BOX 704005  
WEST VALLEY CITY, UTAH 84170  
FED.TAX I.D.# 87-0217663

The Salt Lake Tribune

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Deseret News

WWW.DESERETNEWS.COM

PROOF OF PUBLICATION  
FEB 07 2011

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	DIV OF OIL, GAS & MINING ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING,  1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352  12 → 205	1/28/2011

ACCOUNT NAME			
DIV OF OIL-GAS & MINING,			
TELEPHONE	ADORDER# / INVOICE NUMBER		
8015385340	0000658258 /		
SCHEDULE			
Start 01/27/2011		End 01/27/2011	
CUST. REF. NO.			
Cause #UIC-371			
CAPTION			
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RES			
SIZE			
77	Lines	2.00	COLUMN
TIMES		RATE	
3			
MISC. CHARGES		AD CHARGES	
TOTAL COST			
197.50			

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-371

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 33, TOWNSHIP 8 SOUTH, RANGE 16 EAST, SECTION 1, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 3, 6, 10, 11, AND 13, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:  
Federal 33-33-8 well located in NW/4 SE/4, Section 33, Township 8 South, Range 16 East  
Ashley Federal 2-1 well located in NW/4 NE/4, Section 1, Township 9 South, Range 15 East  
South Wells Draw 4-3-9-16 well located in NW/4 NW/4, Section 3, Township 9 South, Range 16 East  
South Wells Draw 14-3-9-16 well located in SE/4 SW/4, Section 3, Township 9 South, Range 16 East  
Monument Federal 44-6-9-16 well located in SE/4 SE/4, Section 6, Township 9 South, Range 16 East  
Castle Peak Federal 24-10A well located in SE/4 SW/4, Section 10, Township 9 South, Range 16 East  
Castle Peak Federal 44-10 well located in SE/4 SE/4, Section 10, Township 9 South, Range 16 East  
Monument Federal 13-11J well located in NW/4 SW/4, Section 11, Township 9 South, Range 16 East  
Monument Federal 33-11J well located in NW/4 SE/4, Section 11, Township 9 South, Range 16 East  
Monument Federal 42-11J well located in SE/4 NE/4, Section 11, Township 9 South, Range 16 East  
Federal 1-13-9-16 well located in NE/4 NE/4, Section 13, Township 9 South, Range 16 East

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 20th day of January, 2011.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
s/ Brad Hill  
Permitting Manager

658258

UPAXLP

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-371 IN THE MATTER OF THE APPLICATION FOR DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINITELY.

PUBLISHED ON Start 01/27/2011 End 01/27/2011

SIGNATURE

1/28/2011

VIRGINIA CRAFT  
Notary Public, State of Utah  
Commission # 881489  
My Commission Expires  
January 12, 2014

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
PLEASE PAY FROM BILLING STATEMENT

2250/REB/GGDICADMIN/BF11/6131



# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

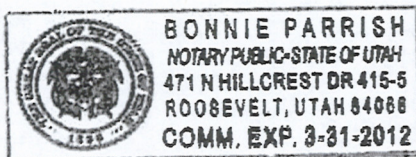
I, Geoff Liesik on oath, say that I am the EDITOR of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 1 day of February, 2011, and that the last publication of such notice was in the issue of such newspaper dated the 1 day of February, 2011, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

G. Liesik  
Editor

Subscribed and sworn to before me this

1 day of February, 2011

Bonnie Parrish  
Notary Public



## BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-371

IN THE MATTER OF  
THE APPLICATION OF  
NEWFIELD PRODUCTION COMPANY FOR  
ADMINISTRATIVE APPROVAL OF CERTAIN  
WELLS LOCATED IN  
SECTION 33, TOWNSHIP 8 SOUTH, RANGE  
16 EAST, SECTION 1,  
TOWNSHIP 6 SOUTH,  
RANGE 15 EAST, AND  
SECTIONS 3, 6, 9, 10, 11,  
AND 13, TOWNSHIP

Continued on next page

Continued from  
previous page

9 SOUTH, RANGE 16  
EAST, DUCHESNE  
COUNTY, UTAH, AS  
CLASS II INJECTION  
WELLS.

THE STATE OF UTAH  
TO ALL PERSONS IN-  
TERESTED IN THE  
ABOVE ENTITLED  
MATTER.

Notice is hereby given  
that the Division of Oil,  
Gas and Mining, the

DEPARTMENT  
OF NATURAL  
RESOURCES  
STATE OF  
UTAH  
DIVISION OF  
OIL, GAS AND  
MINING  
BEFORE THE

Published in the Uintah  
Basin Standard February  
1 & 8, 2011

3393.  
Utah. Phone 435-722-  
East 1000 South, Ballard,  
Ballard City Offices, 2381  
Kaelyn Meyers at the  
meeting should notify  
moderators during this  
needing special accom-  
modations with Dis-  
abilities Act, individuals  
the Americans with Dis-  
In compliance with  
the, 435-722-3393.  
at the Ballard Water of-  
may contact Kirby Young  
garding the changes, you  
further information re-  
15, 2011 at 6:00 PM. For  
billion cycles on February  
Boundaries in the regular  
to include the residents  
within the Water District  
and to amend the contract  
for Residential Homes  
the monthly garbage rates  
public regarding raising  
solicit comments from the  
hold a public hearing to  
provement District will  
Ballard Water Im-

## NOTICE OF A PUBLIC HEARING

1, 8 and 15, 2011.  
Published in the Uintah  
Basin Standard February  
holidays.  
Friday, excluding legal  
p.m., Monday through  
of 9:00 a.m. and 5:00  
1900 between the hours  
telephone at (801) 257-  
Trustee can be contact by  
Lancaster, CA 91740, 119



BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-371

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 33, TOWNSHIP 8 SOUTH, RANGE 16 EAST, SECTION 1, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 3, 6, 10, 11, AND 13, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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Ashley Federal 2-1 well located in NW/4 NE/4, Section 1, Township 9 South, Range 15 East  
South Wells Draw 4-3-9-16 well located in NW/4 NW/4, Section 3, Township 9 South, Range 16 East  
South Wells Draw 14-3-9-16 well located in SE/4 SW/4, Section 3, Township 9 South, Range 16 East  
Monument Federal 44-6-9-16Y well located in SE/4 SE/4, Section 6, Township 9 South, Range 16 East  
Castle Peak Federal 24-10A well located in SE/4 SW/4, Section 10, Township 9 South, Range 16 East  
Castle Peak Federal 44-10 well located in SE/4 SE/4, Section 10, Township 9 South, Range 16 East  
Monument Federal 13-11J well located in NW/4 SW/4, Section 11, Township 9 South, Range 16 East  
Monument Federal 33-11J well located in NW/4 SE/4, Section 11, Township 9 South, Range 16 East  
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Dated this 20th day of January, 2011.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



Brad Hill  
Permitting Manager

**Newfield Production Company**

**FEDERAL 33-33-B, ASHLEY FEDERAL 2-1,  
SOUTH WELLS DRAW 4-3-9-16, SOUTH WELLS DRAW 14-3-9-16,  
MONUMENT FEDERAL 44-6-9-16Y, CASTLE PEAK FEDERAL 24-10A,  
CASTLE PEAK FEDERAL 44-10,  
MONUMENT FEDERAL 13-11J, MONUMENT FEDERAL 33-11J,  
MONUMENT FEDERAL 42-11J, FEDERAL 1-13-9-16.**

**Cause No. UIC-371**

Publication Notices were sent to the following:

Newfield Production Company  
1001 17th Street, Suite 2000  
Denver, CO 80202

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
via e-mail [legals@ubstandard.com](mailto:legals@ubstandard.com)

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Vernal Office  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

Bruce Suchomel  
US EPA Region 8  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

SITLA  
675 East 500 South  
Salt Lake City, UT 84102-2818

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

  
\_\_\_\_\_



**Jean Sweet - RE: Notice of Agency Action - Newfield Production Company Cause No. UIC-371**

---

**From:** "NAC Legal" <naclegal@mediaoneutah.com>  
**To:** "Jean Sweet" <jsweet@utah.gov>  
**Date:** 1/24/2011 11:02 AM  
**Subject:** RE: Notice of Agency Action - Newfield Production Company Cause No. UIC-371

---

Ad #658258 is scheduled to run January 27th in Salt Lake Tribune and Online utahlegals.com .

Total charge is \$197.50. Please check the ad in the paper.

Thank you,

Lynn Valdez  
MediaOne of Utah,  
a Newspaper Agency Company  
4770 South 5600 West  
West Valley City, Utah 84118  
Ph.: 801-204-6245  
Email: naclegal@mediaoneutah.com

---

**From:** Jean Sweet [mailto:jsweet@utah.gov]  
**Sent:** Monday, January 24, 2011 10:07 AM  
**To:** naclegal@mediaoneutah.com  
**Subject:** Notice of Agency Action – Newfield Production Company Cause No. UIC-371

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

January 20, 2011

VIA E-MAIL [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Salt Lake Tribune  
P. O. Box 45838  
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-371

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



**Jean Sweet - Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-371**

---

**From:** Cindy Kleinfelter <classifieds@ubstandard.com>  
**To:** Jean Sweet <jsweet@utah.gov>  
**Date:** 1/27/2011 3:12 PM  
**Subject:** Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-371

---

On 1/24/2011 10:07 AM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary  
Utah Div. of Oil, Gas & Mining  
1594 West Temple, Suite 1210  
Salt Lake City, UT  
801-538-5329  
[jsweet@utah.gov](mailto:jsweet@utah.gov)

Received. Thank you. It will be published Feb. 1, 2011.  
Cindy



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

January 20, 2011

Via e-mail: [legals@ubstandard.com](mailto:legals@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-371

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

February 28, 2011

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Monument Federal 33-11J, Section 11, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-31451

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 4,700 feet in the Monument Federal 33-11J well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

  
John Rogers  
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Duchesne County  
Newfield Production Company, Myton

N:\O&G Reviewed Docs\ChronFile\UIC







**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** Monument Federal 33-11J-9-16

**Location:** 11/9S/16E      **API:** 43-013-31451

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 276 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,792 feet. A cement bond log demonstrates adequate bond in this well up to about 4,264 feet. A 2 7/8 inch tubing with a packer will be set at 4,163 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. There are 7 producing wells, 4 injection wells, and 1 shut-in well in the AOR. Also, there is 1 currently permitted surface location from which a well will be directionally drilled to a bottom hole location outside the AOR and 1 well currently drilling from a location outside the AOR to a bottom hole location inside the AOR. Most of the existing wells have evidence of adequate casing and cement for the proposed injection interval. However, the proposed injection well (API # 43-013-31451), along with Monument Federal 13-11J (API # 43-013-15790), Monument Federal 42-11J (API # 43-013-30066), Monument Federal 32-11J (API # 43-013-31386), and Walton Federal 4 (API # 43-013-15795), all located within the AOR, appear to have inadequate cement for the proposed injection interval. The most limiting of these wells is Monument Federal 32-11J, which is an active injection well. Its CBL (9/16/1993) indicates a cement top at about 4,606 feet. To protect these wellbores Newfield will not perforate the Monument Federal 33-11J above 4,700 feet (see next paragraph). Inasmuch as some logs are of dubious quality or do not exhibit conclusive cement tops, it has been necessary to calculate approximate tops for "lite" cement, based on the cement indicated in the well completion report.

**Ground Water Protection:** As interpreted from Technical Publication No. 92, the base of moderately saline water is at a depth of approximately 1800 feet. The requested injection interval is between 3,995 feet and 5,747 feet in the Green River Formation. However, the top of good cement bond is at about 4,606 feet in the Monument Federal 32-11J, an active injection well located within the AOR, 1/4 mile NNE of the Monument Federal 33-11J well. This cement top correlates to a depth of approximately 4,600 feet in the Monument Federal 33-11J well. For this reason, it is recommended that the top of the injection interval be permitted no



**Monument Butte Federal 33-11J-9-16**  
**page 2**

higher than a depth of 4,700 feet in the Monument Federal 33-11J well. Information submitted by Newfield indicates that the fracture gradient for the 33-11J-9-16 well is 0.78 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,766 psig. The requested maximum pressure is 1,766 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold Date 2/1/2011



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-096550			
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)			
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> MONUMENT FED 33-11J			
<b>4. LOCATION OF WELL</b> FOOTAGES AT SURFACE: 1970 FSL 2031 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 11 Township: 09.0S Range: 16.0E Meridian: S		<b>9. APT NUMBER:</b> 43013314510000			
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE			
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>  <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/19/2011  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<b>TYPE OF ACTION</b>  <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input checked="" type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input checked="" type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION            OTHER: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> The subject well has been converted from a producing oil well to an injection well on 09/14/2011. On 09/14/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 09/19/2011 the casing was pressured up to 1260 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 90 psig during the test. There was not a State representative available to witness the test.					
<b>Accepted by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> 09/27/2011  <b>By:</b>		<b>TITLE</b> Water Services Technician			
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto		<b>PHONE NUMBER</b> 435 646-4874			
<b>SIGNATURE</b> N/A		<b>DATE</b> 9/22/2011			

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 9/19/2011 Time 1030 am pm

Test Conducted by: Wade Davis

Others Present: \_\_\_\_\_

Well: Baldron Monument Federal

Field: Monument Butte

Well Location: 33-115-9-16

API No: 43-013-31451

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1260</u>	psig
5	<u>1260</u>	psig
10	<u>1260</u>	psig
15	<u>1260</u>	psig
20	<u>1260</u>	psig
25	<u>1260</u>	psig
30 min	<u>1260</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

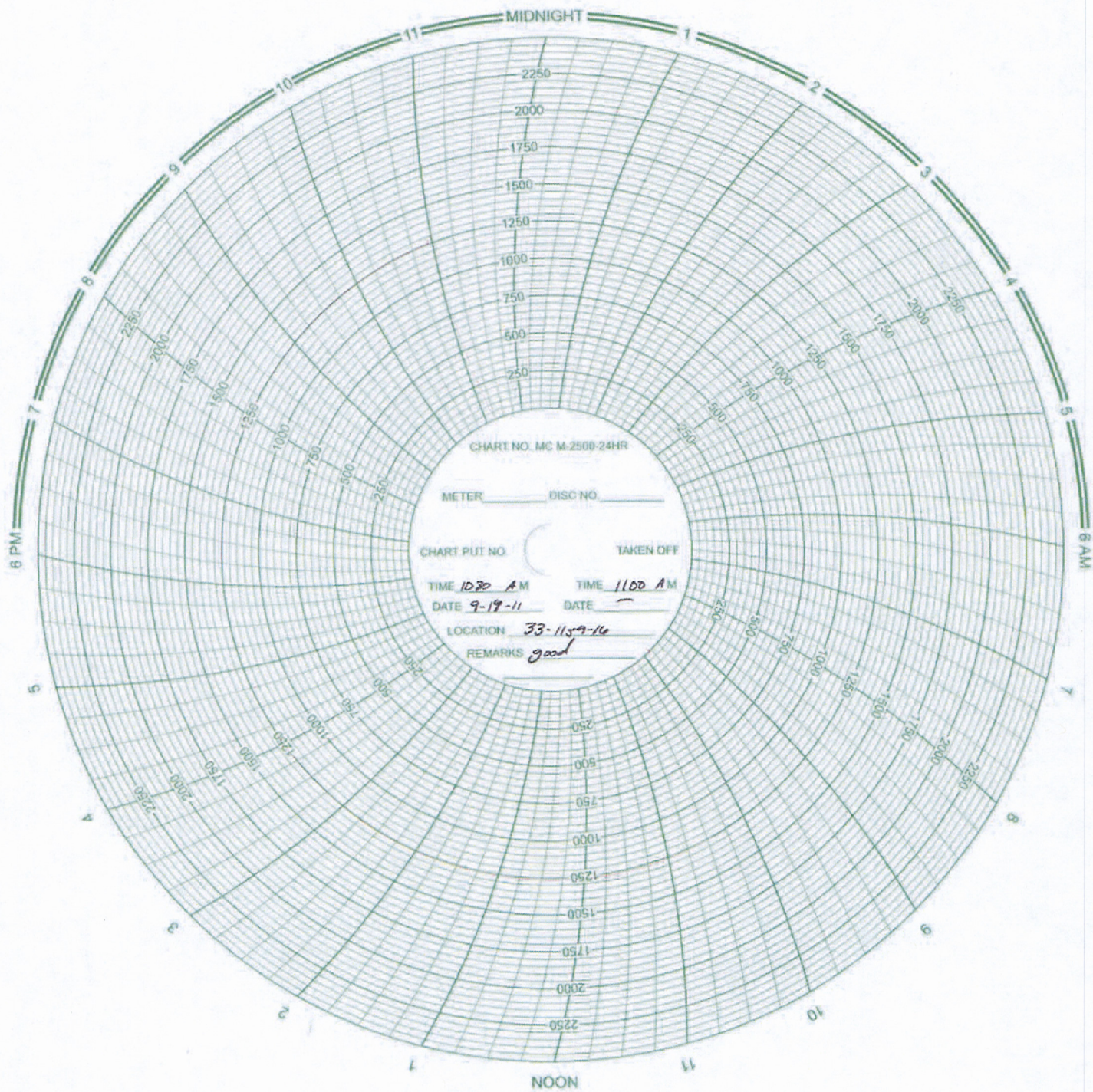
Tubing pressure: 90 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Wade Davis





**Daily Activity Report****Format For Sundry****MON 33-11J-9-16****7/1/2011 To 11/30/2011****9/13/2011 Day: 1****Conversion**

NC #3 on 9/13/2011 - MIRUSU, LD rods, TOH w/ tbg. - MIRUSU. Pump 60 bbls water dwn csg @ 250. RD pumpng unit. Unseat rod pump. Flush tbg & rods w/ 60 bbls water @ 250. Softseat rods. Pressure test tbg to 3000 psi w/ 15 bbls water. Good test. LD 109- 3/4 guided, 57, 3/4" slick, 50- 3/4" guided, 6- 1 1/2" wt bars, rod pump. Pump looked good. ND wellhead. Release TA. NU BOPs. RU work floor. TOH w/ 149- jts 2 7/8" tbg breaking & doping collars. SDFD. - MIRUSU. Pump 60 bbls water dwn csg @ 250. RD pumpng unit. Unseat rod pump. Flush tbg & rods w/ 60 bbls water @ 250. Softseat rods. Pressure test tbg to 3000 psi w/ 15 bbls water. Good test. LD 109- 3/4 guided, 57, 3/4" slick, 50- 3/4" guided, 6- 1 1/2" wt bars, rod pump. Pump looked good. ND wellhead. Release TA. NU BOPs. RU work floor. TOH w/ 149- jts 2 7/8" tbg breaking & doping collars. SDFD. - MIRUSU. Pump 60 bbls water dwn csg @ 250. RD pumpng unit. Unseat rod pump. Flush tbg & rods w/ 60 bbls water @ 250. Softseat rods. Pressure test tbg to 3000 psi w/ 15 bbls water. Good test. LD 109- 3/4 guided, 57, 3/4" slick, 50- 3/4" guided, 6- 1 1/2" wt bars, rod pump. Pump looked good. ND wellhead. Release TA. NU BOPs. RU work floor. TOH w/ 149- jts 2 7/8" tbg breaking & doping collars. SDFD.

**Daily Cost: \$0****Cumulative Cost: \$8,842****9/14/2011 Day: 2****Conversion**

NC #3 on 9/14/2011 - LD tbg, wireline packer in hole, TIH w/ packer & tbg, Pressure test. - LD 26- jts 2 7/8" tbg. RU perforators. Make gauge ring run to 5733' (14' of fill). Wireline set packer @ CE 4806'. RD perforators. PU TIH w/ stinger, 2 7/8" x 2 3/8" x-over, 2 3/8" SN, 2 3/8" x 2 7/8" x-over, 20- jts 2 7/8" tbg, arrow set packer, retrieval tool, 128- jts 2 7/8" tbg. Pressure test tbg to 3000 psi w/ 35 bbls water. Held pressure for 1 hr. RD workflow. Pump 70 bbls packer fluid. ND BOPs. Sting into packer @ 4806'. Set packer @ 4157 IN 15000# tension'. NU wellhead. Pressure test csg to 1500 psi w/ 20 bbls packer fluid. Held pressure for 1 hour. RDMOSU. SDFD. READY FOR MIT!! - LD 26- jts 2 7/8" tbg. RU perforators. Make gauge ring run to 5733' (14' of fill). Wireline set packer @ CE 4806'. RD perforators. PU TIH w/ stinger, 2 7/8" x 2 3/8" x-over, 2 3/8" SN, 2 3/8" x 2 7/8" x-over, 20- jts 2 7/8" tbg, arrow set packer, retrieval tool, 128- jts 2 7/8" tbg. Pressure test tbg to 3000 psi w/ 35 bbls water. Held pressure for 1 hr. RD workflow. Pump 70 bbls packer fluid. ND BOPs. Sting into packer @ 4806'. Set packer @ 4157 IN 15000# tension'. NU wellhead. Pressure test csg to 1500 psi w/ 20 bbls packer fluid. Held pressure for 1 hour. RDMOSU. SDFD. READY FOR MIT!! - LD 26- jts 2 7/8" tbg. RU perforators. Make gauge ring run to 5733' (14' of fill). Wireline set packer @ CE 4806'. RD perforators. PU TIH w/ stinger, 2 7/8" x 2 3/8" x-over, 2 3/8" SN, 2 3/8" x 2 7/8" x-over, 20- jts 2 7/8" tbg, arrow set packer, retrieval tool, 128- jts 2 7/8" tbg. Pressure test tbg to 3000 psi w/ 35 bbls water. Held pressure for 1 hr. RD workflow. Pump 70 bbls packer fluid. ND BOPs. Sting into packer @ 4806'. Set packer @ 4157 IN 15000# tension'. NU wellhead. Pressure test csg to 1500 psi w/ 20 bbls packer fluid. Held pressure for 1 hour. RDMOSU. SDFD. READY FOR MIT!! **Finalized**

**Daily Cost: \$0****Cumulative Cost: \$32,372****9/22/2011 Day: 3****Conversion MIT**

Rigless on 9/22/2011 - Conduct MIT - On 09/14/2011 Dennis Ingram with the State of Utah



DOGM was contacted concerning the initial MIT on the above listed well. On 09/19/2011 the casing was pressured up to 1260 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 90 psig during the test. There was not an DOGM representative available to witness the test. - On 09/14/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 09/19/2011 the casing was pressured up to 1260 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 90 psig during the test. There was not an DOGM representative available to witness the test. - On 09/14/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 09/19/2011 the casing was pressured up to 1260 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 90 psig during the test. There was not an DOGM representative available to witness the test. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$33,272

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**Pertinent Files: Go to File List**

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, recenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-096550
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1970 FSL 2031 FEL		8. WELL NAME and NUMBER: MONUMENT FED 33-11J
OTR/OTR SECTION: TOWNSHIP. RANGE, MERIDIAN: NWSE, 11, T9S, R16E		9. API NUMBER: 4301331451
		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
		COUNTY: DUCHESNE
		STATE: UT

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will 	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 09/19/2011	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS.** Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 09/14/2011.

On 09/14/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 09/19/2011 the casing was pressured up to 1260 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 90 psig during the test. There was not a State representative available to witness the test.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Water Services Technician

SIGNATURE

DATE 09/22/2011

(This space for State use only)

**RECEIVED**

**Daily Activity Report****Format For Sundry****MON 33-11J-9-16****7/1/2011 To 11/30/2011****9/13/2011 Day: 1****Conversion**

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**Daily Cost:** \$0

**Cumulative Cost:** \$33,272

**Pertinent Files: Go to File List**



AFE NET DETAIL REPORT  
From May-11 to Dec-11FE No. 25498 IO-GMBU 33-11J-9-16 3Q 11 - #24525  
FE Type INJECTION WELL  
CONVERSION  
BO AFR  
emarksBudget 76,166.58  
Approved Yes  
Date Completed

		BUDGET	BAL FWD	ACTUALS	VARIANCE	ACT/BUD %
Major Acct	885102 Cased Hole Electric Wireline					
Cost Element		Budget				
Source	RC Invoice No - Dist Line - Voucher - Vendor	Trn Desc	Approver	Svc Date	GL Date	Amount
Payables	151021 5197--2250022-PERFORATORS LLC	DEPTH CHARGE	GDIETZ	09/14/11	10/28/11	74.39
Payables	151021 5197--2250022-PERFORATORS LLC	DEPTH CHARGE	GDIETZ	09/14/11	10/28/11	1,914.73
Payables	151021 5197--2250022-PERFORATORS LLC	DEPTH CHARGE	GDIETZ	09/14/11	10/28/11	67.99
						2,057.11
		885102	2,053.01	0.00	2,057.11	<4.10> 100%
Major Acct	885103 Casing Crews & Running Tools - Casing & Tubing					
		885103	0.00	0.00		0.00 0%
Major Acct	885105 Cementing					
		885105	0.00	0.00		0.00 0%
Major Acct	885107 Chemical Treatment-Subsurface					
		885107	0.00	0.00		0.00 0%
Major Acct	885110 Consultants					
		885110	0.00	0.00		0.00 0%
Major Acct	885116 Engineering - Structural					
		885116	0.00	0.00		0.00 0%
Major Acct	885117 Environment & Safety					
		885117	0.00	0.00		0.00 0%
Major Acct	885119 Fishing Operations					
		885119	0.00	0.00		0.00 0%
Major Acct	885120 Fluid Disposal					
		885120	985.44	0.00		985.44 0%
Major Acct	885121 Formation Evaluation					
		885121	0.00	0.00		0.00 0%
Major Acct	885122 Formation Stimulation - Fracturing					
		885122	0.00	0.00		0.00 0%
Major Acct	885123 Formation Stimulation - Other					
		885123	0.00	0.00		0.00 0%
Major Acct	885128 Hot Oiling Services					
Cost Element		Budget				
Source	RC Invoice No - Dist Line - Voucher - Vendor	Trn Desc	Approver	Svc Date	GL Date	Amount
Payables	151021 29358--2299077-ZUBIATE HOT OIL	RIG JOB	AFERRARI	09/13/11	11/26/11	56.09
Payables	151021 29358--2299077-ZUBIATE HOT OIL	RIG JOB	AFERRARI	09/13/11	11/26/11	51.26
Payables	151021 29358--2299077-ZUBIATE HOT OIL	RIG JOB	AFERRARI	09/13/11	11/26/11	1,443.55
Payables	151021 29360--2300643-ZUBIATE HOT OIL	RIG JOB	NRUTLEDGE	09/14/11	11/26/11	54.01
Payables	151021 29360--2300643-ZUBIATE HOT OIL	RIG JOB	NRUTLEDGE	09/14/11	11/26/11	49.36
Payables	151021 29360--2300643-ZUBIATE HOT OIL	RIG JOB	NRUTLEDGE	09/14/11	11/26/11	1,390.06
						3,044.33
		885128	3,531.17	0.00	3,044.33	486.84 86%
Major Acct	885138 Automation					
Cost Element		Budget				
Source	RC Invoice No - Dist Line - Voucher - Vendor	Trn Desc	Approver	Svc Date	GL Date	Amount
Payables	151021 INV36985--2298768-WINN-MARION BARBER LLC	VALVE ASSEMBLY	HWILLIAMS	10/25/11	11/26/11	109.83
Payables	151021 INV36985--2298768-WINN-MARION BARBER LLC	VALVE ASSEMBLY	HWILLIAMS	10/25/11	11/26/11	2,826.72
Payables	151021 INV36985--2298768-WINN-MARION BARBER LLC	VALVE ASSEMBLY	HWILLIAMS	10/25/11	11/26/11	100.38
						3,036.93
		885138	0.00	0.00	3,036.93	<3,036.93> 0%
Major Acct	885139 Labor - Company Supervision					
		885139	985.44	0.00		985.44 0%
Major Acct	885140 Labor - Company Employees					
Cost Element		Budget				
Source	RC Invoice No - Dist Line - Voucher - Vendor	Trn Desc	Approver	Svc Date	GL Date	Amount
Spreadsh ect	151021 1022854--124-	TIMESHEET DATA - SEPTEMBER 2011		09/30/11	10/27/11	55.30
Spreadsh ect	151021 1022854--124-	TIMESHEET DATA - SEPTEMBER 2011		09/30/11	10/27/11	1,423.25
Spreadsh ect	151021 1022854--124-	TIMESHEET DATA - SEPTEMBER 2011		09/30/11	10/27/11	50.54
						1,529.09
		885140	0.00	0.00	1,529.09	<1,529.09> 0%
Major Acct	885141 Labor - Contract Employees					
Cost Element		Budget				
Source	RC Invoice No - Dist Line - Voucher - Vendor	Trn Desc	Approver	Svc Date	GL Date	Amount

RECEIVED

From May-11 to Dec-11

FE No. 25498 IO-CMBU 33-11J-9-16 3Q 11 - #24525  
FE Type INJECTION WELL  
CONVERSION  
BO AFE  
emarksBudget 76,166.58  
Approved Yes  
Date Completed

		BUDGET	BAL FWD	ACTUALS	VARIANCE	ACT/BUD %
Major Acct	885141 Labor - Contract Employees					
Cost Element		Budget				
Source	RC Invoice No - Dist Line - Voucher - Vendor	Trn Desc	Approver	Svc Date	GL Date	Amount
Payables	151021 9417--2297626-REBEL FIELD SERVICES LLC	NEW WELLHEAD	JDHORROCKS	10/20/11	11/26/11	36.64
Payables	151021 9417--2297626-REBEL FIELD SERVICES LLC	NEW WELLHEAD	JDHORROCKS	10/20/11	11/26/11	40.09
Payables	151021 9417--2297626-REBEL FIELD SERVICES LLC	NEW WELLHEAD	JDHORROCKS	10/20/11	11/26/11	1,031.93
Payables	151021 9458--2309458-REBEL FIELD SERVICES LLC	NBW WELLHEAD	JROSSET	10/27/11	11/29/11	4.07
Payables	151021 9458--2309458-REBEL FIELD SERVICES LLC	NBW WELLHEAD	JROSSET	10/27/11	11/29/11	4.45
Payables	151021 9458--2309458-REBEL FIELD SERVICES LLC	NBW WELLHEAD	JROSSET	10/27/11	11/29/11	114.70
						1,231.88
Major Acct	885143 Location Preparation	885141 1,806.65	0.00	1,231.88	574.77	68%
Major Acct	885144 Location Remediation & Maintenance	885143 0.00	0.00		0.00	0%
Major Acct	885145 Measurement	885144 328.48	0.00		328.48	0%
Major Acct	885146 Miscellaneous Services	885145 0.00	0.00		0.00	0%
Major Acct	885150 Rig Costs - Dayrate	885146 4,845.10	0.00		4,845.10	0%
Cost Element		Budget				
Source	RC Invoice No - Dist Line - Voucher - Vendor	Trn Desc	Approver	Svc Date	GL Date	Amount
Payables	151021 NC3940--2239332-NEWFIELD DRILLING SERVICES INC	CONVERSION	CTOLLIVER	09/14/11	09/26/11	295.00
Payables	151021 NC3940--2239332-NEWFIELD DRILLING SERVICES INC	CONVERSION	CTOLLIVER	09/14/11	09/26/11	322.76
Payables	151021 NC3940--2239332-NEWFIELD DRILLING SERVICES INC	CONVERSION	CTOLLIVER	09/14/11	09/26/11	8,307.14
Payables	151021 7469530RI--2300641-WEATHERFORD US LP	RIG SERVICE/REPAIRS	NRUTLEDGE	09/15/11	11/26/11	497.33
Payables	151021 7469530RI--2300641-WEATHERFORD US LP	RIG SERVICE/REPAIRS	NRUTLEDGE	09/15/11	11/26/11	544.14
Payables	151021 7469530RI--2300641-WEATHERFORD US LP	RIG SERVICE/REPAIRS	NRUTLEDGE	09/15/11	11/26/11	14,004.86
						23,971.23
Major Acct	885153 Rig Mob & Demob	885150 11,496.85	0.00	23,971.23	<12,474.38>	209%
Major Acct	885156 Surveying	885153 0.00	0.00		0.00	0%
Major Acct	885157 Survey - Well	885156 0.00	0.00		0.00	0%
Major Acct	885158 Testing - Tubing	885157 0.00	0.00		0.00	0%
Major Acct	885159 Testing - Well & Well Flowback	885158 0.00	0.00		0.00	0%
Major Acct	885162 Transportation - Land	885159 0.00	0.00		0.00	0%
Cost Element		Budget				
Source	RC Invoice No - Dist Line - Voucher - Vendor	Trn Desc	Approver	Svc Date	GL Date	Amount
Payables	151021 WT1599--2266282-WESTERN WELL SERVICE INC	TRUCKING	LTRUJILLO	09/09/11	10/28/11	2.71
Payables	151021 WT1599--2266282-WESTERN WELL SERVICE INC	TRUCKING	LTRUJILLO	09/09/11	10/28/11	2.97
Payables	151021 WT1599--2266282-WESTERN WELL SERVICE INC	TRUCKING	LTRUJILLO	09/09/11	10/28/11	76.45
Payables	151021 12255--2255137-RUNNERS INC	TRANSPORT RODS	BCCOOK	09/12/11	10/28/11	638.41
Payables	151021 12255--2255137-RUNNERS INC	TRANSPORT RODS	BCCOOK	09/12/11	10/28/11	22.67
Payables	151021 12255--2255137-RUNNERS INC	TRANSPORT RODS	BCCOOK	09/12/11	10/28/11	24.80
						768.01
Major Acct	885166 Welding	885162 821.20	0.00	768.01	53.19	94%
Major Acct	885301 Bits	885166 0.00	0.00		0.00	0%
Major Acct	885302 Blow Out Preventors	885301 0.00	0.00		0.00	0%
Cost Element		Budget				
Source	RC Invoice No - Dist Line - Voucher - Vendor	Trn Desc	Approver	Svc Date	GL Date	Amount
Payables	151021 7512121RI--2265843-WEATHERFORD US LP	BOP RENTAL	AWORKNEH	09/27/11	10/28/11	13.23
Payables	151021 7512121RI--2265843-WEATHERFORD US LP	BOP RENTAL	AWORKNEH	09/27/11	10/28/11	340.46
Payables	151021 7512121RI--2265843-WEATHERFORD US LP	BOP RENTAL	AWORKNEH	09/27/11	10/28/11	12.09
						365.78
Major Acct	885302	492.72	0.00	365.78	126.94	74%

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From May-11 to Dec-11

FE No. 25498 IO-GMBU 33-11J-9-16 3Q 11 - #24525  
FE Type INJECTION WELL  
CONVERSION  
BO AFE  
emarksBudget 76,166.58  
Approved Yes  
Date Completed

		BUDGET	BAL FWD	ACTUALS	VARIANCE	ACT/BUD %
Major Acct	885304	Completion Fluids				
Cost Element		Budget				
Source	RC Invoice No - Dist Line - Voucher - Vendor	Trn Desc	Approver	Svc Date	GL Date	Amount
Payables	151021 12006083--2255135-RN INDUSTRIES TRUCKING	FRESH WATER	BCOOK	09/21/11	10/28/11	9.61
Payables	151021 12006083--2255135-RN INDUSTRIES TRUCKING	FRESH WATER	BCOOK	09/21/11	10/28/11	247.48
Payables	151021 12006083--2255135-RN INDUSTRIES TRUCKING	FRESH WATER	BCOOK	09/21/11	10/28/11	8.79
						265.88
Major Acct	885307	Cranes				
		885304	1,231.80	0.00	265.88	965.92 22%
Major Acct	885317	Gas Measurement				
		885307	0.00	0.00	0.00	0%
Major Acct	885317					
		885317	0.00	0.00	0.00	0%
Major Acct	885321	Heaters - Indirect Line				
		885321	0.00	0.00	0.00	0%
Major Acct	885322	Insulation				
		885322	0.00	0.00	0.00	0%
Major Acct	885328	Miscellaneous Surface Equipment				
Cost Element		Budget				
Source	RC Invoice No - Dist Line - Voucher - Vendor	Trn Desc	Approver	Svc Date	GL Date	Amount
Payables	151021 9233--2304186-STANCO INSULATION SERVICES INC	SHED FOR CONVERSION	JDHORROCKS	10/19/11	11/29/11	49.51
Payables	151021 9233--2304186-STANCO INSULATION SERVICES INC	SHED FOR CONVERSION	JDHORROCKS	10/19/11	11/29/11	54.17
Payables	151021 9233--2304186-STANCO INSULATION SERVICES INC	SHED FOR CONVERSION	JDHORROCKS	10/19/11	11/29/11	1,394.18
NFX Inventory	151021 1071279--2024-	1 Each (0 N/A); Storage Vessel, 55 Gal Drum w/stand (SN#) (Item 590907.B); (MT 038115- Seq 30)		10/06/11	11/30/11	-11.00
NFX Inventory	151021 1071279--2024-	1 Each (0 N/A); Storage Vessel, 55 Gal Drum w/stand (SN#) (Item 590907.B); (MT 038115- Seq 30)		10/06/11	11/30/11	-12.04
NFX Inventory	151021 1071279--2024-	1 Each (0 N/A); Storage Vessel, 55 Gal Drum w/stand (SN#) (Item 590907.B); (MT 038115- Seq 30)		10/06/11	11/30/11	-309.86
						1,164.96
Major Acct	885329	Mud - Drilling				
		885328	0.00	0.00	1,164.96	<1,164.96> 0%
Major Acct	885335	Pipeline / Flowline				
		885329	0.00	0.00	0.00	0%
Major Acct	885336	Pumps				
		885335	0.00	0.00	0.00	0%
Cost Element		Budget				
Source	RC Invoice No - Dist Line - Voucher - Vendor	Trn Desc	Approver	Svc Date	GL Date	Amount
NFX Inventory	151021 1071279--2031-	1 Each (0 N/A); Pump - Glycol, 810 Peerless (SN#) (Item 559003.B); (MT 038115- Seq 40)		10/06/11	11/30/11	-20.89
NFX Inventory	151021 1071279--2031-	1 Each (0 N/A); Pump - Glycol, 810 Peerless (SN#) (Item 559003.B); (MT 038115- Seq 40)		10/06/11	11/30/11	-537.67
NFX Inventory	151021 1071279--2031-	1 Each (0 N/A); Pump - Glycol, 810 Peerless (SN#) (Item 559003.B); (MT 038115- Seq 40)		10/06/11	11/30/11	-19.09
						<577.65>
Major Acct	885340	Separators				
		885336	<10,347.16>	0.00	<577.65>	<9,769.51> 6%
Major Acct	885342	Startup Material / Stock				
		885340	0.00	0.00	0.00	0%
Major Acct	885345	Tanks				
		885342	0.00	0.00	0.00	0%
Major Acct	885346	Tools & Supplies				
		885345	0.00	0.00	0.00	0%
Major Acct	885347	Treaters				
		885346	<287.42>	0.00	<287.42>	0%
Major Acct	885348	Utility Systems				
		885347	0.00	0.00	0.00	0%
Major Acct	885350	Water				
		885348	46,808.58	0.00	46,808.58	0%
Cost Element		Budget				
Source	RC Invoice No - Dist Line - Voucher - Vendor	Trn Desc	Approver	Svc Date	GL Date	Amount
Spreadsheet	151021 1024975--56-	Sept 2011 Water Delivery		09/30/11	10/27/11	0.82
Spreadsheet	151021 1024975--56-	Sept 2011 Water Delivery		09/30/11	10/27/11	21.04

RECEIVED

From May-11 to Dec-11

FE No. 25498 IO-GMBU 33-111-9-16 3Q 11 - #24525  
FE Type INJECTION WELL  
CONVERSION  
BO AFE  
emarksBudget 76,166.58  
Approved Yes  
Date Completed

		BUDGET	BAL FWD	ACTUALS	VARIANCE	ACT/BUD %
Major Acct	885350 Water					
Cost Element		Budget				
Source	RC Invoice No - Dist Line - Voucher - Vendor	Trn Desc	Approver	Svc Date	GL Date	Amount
Spreadsh eet	151021 1024975--56-	Sept 2011 Water Delivery		09/30/11	10/27/11	0.75
						22.61
Major Acct	885351 Water Handling Equipment	885350	0.00	0.00	22.61	<22.61> 0%
Major Acct	885511 Regulatory Compliance	885351	0.00	0.00		0.00 0%
Major Acct	885601 Artificial Lift	885511	0.00	0.00		0.00 0%
Cost Element		Budget				
Source	RC Invoice No - Dist Line - Voucher - Vendor	Trn Desc	Approver	Svc Date	GL Date	Amount
NFX Inventory	151021 1071279--2045-	1 Each (0 N/A); Engine, Ajax, 8-1/2 x 10 [Bore x Stroke], Model E42, 42 BHP, 525 RPM (SN#106/11) (Item 500007.B); (MT 038115- Seq 20)		10/06/11	11/30/11	-779.03
NFX Inventory	151021 1071279--2045-	1 Each (0 N/A); Engine, Ajax, 8-1/2 x 10 [Bore x Stroke], Model E42, 42 BHP, 525 RPM (SN#106/11) (Item 500007.B); (MT 038115- Seq 20)		10/06/11	11/30/11	-712.02
NFX Inventory	151021 1071279--2045-	1 Each (0 N/A); Engine, Ajax, 8-1/2 x 10 [Bore x Stroke], Model E42, 42 BHP, 525 RPM (SN#106/11) (Item 500007.B); (MT 038115- Seq 20)		10/06/11	11/30/11	-20,050.35
NFX Inventory	151021 1071279--2044-	1 Each (0 N/A); Pumping Unit, C160-777-77 [Torque-Load-Stroke] (SN#B398020- 004) (Item 555004.E); (MT 038115- Seq 10)		10/06/11	11/30/11	-193.04
NFX Inventory	151021 1071279--2043-	1 Each (0 N/A); Muffler, Donaldson (SN#) (Item 590908.B); (MT 038115- Seq 50)		10/06/11	11/30/11	-68.29
NFX Inventory	151021 1071279--2044-	1 Each (0 N/A); Pumping Unit, C160-777-77 [Torque-Load-Stroke] (SN#B398020- 004) (Item 555004.E); (MT 038115- Seq 10)		10/06/11	11/30/11	-4,968.39
NFX Inventory	151021 1071279--2043-	1 Each (0 N/A); Muffler, Donaldson (SN#) (Item 590908.B); (MT 038115- Seq 50)		10/06/11	11/30/11	-2.65
NFX Inventory	151021 1071279--2043-	1 Each (0 N/A); Muffler, Donaldson (SN#) (Item 590908.B); (MT 038115- Seq 50)		10/06/11	11/30/11	-2.42
NFX Inventory	151021 1071279--2044-	1 Each (0 N/A); Pumping Unit, C160-777-77 [Torque-Load-Stroke] (SN#B398020- 004) (Item 555004.E); (MT 038115- Seq 10)		10/06/11	11/30/11	-176.43
						<26,952.62>
Major Acct	885603 Miscellaneous Subsurface Equipment	885601	<10,757.76>	0.00	<26,952.62>	16,194.86 251%
Major Acct	885604 Packers & Liner Hangers	885603	821.20	0.00		821.20 0%
Major Acct	885610 Pipe - Production Casing	885604	2,463.61	0.00		2,463.61 0%
Major Acct	885613 Pipe - Tubing	885610	0.00	0.00		0.00 0%
Major Acct	885614 Rods	885613	2,463.61	0.00		2,463.61 0%
Cost Element		Budget				
Source	RC Invoice No - Dist Line - Voucher - Vendor	Trn Desc	Approver	Svc Date	GL Date	Amount
NFX Inventory	151021 1003863--2075-	1 Each (0 N/A); Rods-Pony, 3/4" x 8', Norris 78, No Guides (SN#) (Item 563022.E); (MT 037349- Seq 40)		09/15/11	09/26/11	-0.14
NFX Inventory	151021 1003863--2077-	6 Each (0 N/A); Rods-Sinker Bar, 1-1/2" x 25', 3/4" Pin, Carbon Steel (SN#) (Item 564004.E); (MT 037349- Seq 30)		09/15/11	09/26/11	-63.32
NFX Inventory	151021 1003863--2075-	1 Each (0 N/A); Rods-Pony, 3/4" x 8', Norris 78, No Guides (SN#) (Item 563022.E); (MT 037349- Seq 40)		09/15/11	09/26/11	-3.75
NFX Inventory	151021 1003863--2074-	1 Each (0 N/A); Rods-Pony, 3/4" x 6', Norris 78, No Guides (SN#) (Item 563022.E); (MT 037349- Seq 50)		09/15/11	09/26/11	-0.14
NFX Inventory	151021 1003863--2074-	1 Each (0 N/A); Rods-Pony, 3/4" x 6', Norris 78, No Guides (SN#) (Item 563022.E); (MT 037349- Seq 50)		09/15/11	09/26/11	-0.13
NFX Inventory	151021 1003863--2074-	1 Each (0 N/A); Rods-Pony, 3/4" x 6', Norris 78, No Guides (SN#) (Item 563022.E); (MT 037349- Seq 50)		09/15/11	09/26/11	-3.75
NFX Inventory	151021 1003863--2073-	1 Each (0 N/A); Rods-Polished, 1-1/2" x 26', 7/8" Pin, Piston Steel 1045 (SN#) (Item 562004.E); (MT 037349- Seq 70)		09/15/11	09/26/11	-0.14
NFX	151021 1003863--2073-	1 Each (0 N/A); Rods-Polished, 1-1/2" x		09/15/11	09/26/11	-0.13

RECEIVED

From May-11 to Dec-11

FE No. 25498 IO-GMBU 33-111-9-16 3Q 11 - #24525  
FE Type INJECTION WELL  
CONVERSION  
BO AFE  
emarksBudget 76,166.58  
Approved Ycs  
Date Completed

		BUDGET	BAL FWD	ACTUALS	VARIANCE	ACT/BUD %
Major Acct	885614	Rods				
Cost Element		Budget				
Source	RC Invoice No - Dist Line - Voucher - Vendor	Trn Desc	Approver	Svc Date	GL Date	Amount
Inventory		26', 7/8" Pin, Piston Steel 1045 (SN#) (Item 562004.E); (MT 037349- Seq 70)				
NFX	151021 1003863--2073-	1 Each (0 N/A); Rods-Polished, 1-1/2" x 26', 7/8" Pin, Piston Steel 1045 (SN#) (Item 562004.E); (MT 037349- Seq 70)		09/15/11	09/26/11	-3.75
Inventory		2 Each (0 N/A); Rods-Pony, 3/4" x 2', Norris 78, No Guides (SN#) (Item 563020.E); (MT 037349- Seq 60)		09/15/11	09/26/11	-0.29
NFX	151021 1003863--2076-	2 Each (0 N/A); Rods-Pony, 3/4" x 2', Norris 78, No Guides (SN#) (Item 563020.E); (MT 037349- Seq 60)		09/15/11	09/26/11	-0.26
Inventory		2 Each (0 N/A); Rods-Pony, 3/4" x 2', Norris 78, No Guides (SN#) (Item 563020.E); (MT 037349- Seq 60)		09/15/11	09/26/11	-7.35
NFX	151021 1003863--2076-	159 Each (0 N/A); Rods-Sucker, 3/4" x 25', Norris 54, 4 Guides [2-1/2"] (SN#) (Item 565004.E); (MT 037349- Seq 10)		09/15/11	09/26/11	-65.16
Inventory		159 Each (0 N/A); Rods-Sucker, 3/4" x 25', Norris 54, 4 Guides [2-1/2"] (SN#) (Item 565004.E); (MT 037349- Seq 10)		09/15/11	09/26/11	-59.56
NFX	151021 1003863--2079-	159 Each (0 N/A); Rods-Sucker, 3/4" x 25', Norris 54, 4 Guides [2-1/2"] (SN#) (Item 565004.E); (MT 037349- Seq 10)		09/15/11	09/26/11	-1,677.19
Inventory		57 Each (0 N/A); Rods-Sucker, 3/4" x 25', Norris 54, No Guides (SN#) (Item 565005.E); (MT 037349- Seq 20)		09/15/11	09/26/11	-23.36
NFX	151021 1003863--2078-	57 Each (0 N/A); Rods-Sucker, 3/4" x 25', Norris 54, No Guides (SN#) (Item 565005.E); (MT 037349- Seq 20)		09/15/11	09/26/11	-21.35
Inventory		57 Each (0 N/A); Rods-Sucker, 3/4" x 25', Norris 54, No Guides (SN#) (Item 565005.E); (MT 037349- Seq 20)		09/15/11	09/26/11	-601.21
NFX	151021 1003863--2078-	6 Each (0 N/A); Rods-Sinker Bar, 1-1/2" x 25', 3/4" Pin, Carbon Steel (SN#) (Item 564004.E); (MT 037349- Seq 30)		09/15/11	09/26/11	-2.46
Inventory		6 Each (0 N/A); Rods-Sinker Bar, 1-1/2" x 25', 3/4" Pin, Carbon Steel (SN#) (Item 564004.E); (MT 037349- Seq 30)		09/15/11	09/26/11	-2.25
NFX	151021 1003863--2077-	1 Each (0 N/A); Rods-Pony, 3/4" x 8', Norris 78, No Guides (SN#) (Item 563023.E); (MT 037349- Seq 40)		09/15/11	09/26/11	-0.13
Inventory						<2,535.82>
Major Acct	885615	Safety Valves	0.00	0.00	<2,535.82>	2,535.82 0%
Major Acct	885616	Tubing Accessories	0.00	0.00		0.00 0%
Major Acct	885617	Wellhead	0.00	0.00		0.00 0%
Cost Element		Budget				
Source	RC Invoice No - Dist Line - Voucher - Vendor	Trn Desc	Approver	Svc Date	GL Date	Amount
Payables	151021 21756--2299066-PARAGON OILFIELD PRODUCTS	BAKER GATE VALVE, TUBING	AFERRARI	09/13/11	11/26/11	36.70
Payables	151021 21756--2299066-PARAGON OILFIELD PRODUCTS	BAKER GATE VALVE, TUBING	AFERRARI	09/13/11	11/26/11	40.16
Payables	151021 21756--2299066-PARAGON OILFIELD PRODUCTS	BAKER GATE VALVE, TUBING	AFERRARI	09/13/11	11/26/11	1,033.62
Payables	151021 23545--2310204-PARAGON OILFIELD PRODUCTS	BUSHING, NIPPLE, FISHER REGULATOR	LTRUJILLO	11/11/11	11/29/11	3.02
Payables	151021 23545--2310204-PARAGON OILFIELD PRODUCTS	BUSHING, NIPPLE, FISHER REGULATOR	LTRUJILLO	11/11/11	11/29/11	3.31
Payables	151021 23545--2310204-PARAGON OILFIELD PRODUCTS	BUSHING, NIPPLE, FISHER REGULATOR	LTRUJILLO	11/11/11	11/29/11	85.17
						1,201.98
Major Acct	885951	Accruals - Capital	12,728.65	0.00	1,201.98	11,526.67 9%
Major Acct	885963	Contingency	0.00	0.00		0.00 0%
Major Acct	885965	Overhead	3,695.41	0.00		3,695.41 0%
			0.00	0.00		0.00 0%
Total for AFE 25498			76,166.58	0.00	8,593.70	67,572.88 0%
Report Total:			76,166.58	0.00	8,593.70	67,572.88 0%

RECEIVED

CREDITS FOR INJECTION CONVERSION / RECOMPLETION

MON FED 33-11J  
CONVERSION

Date Commenced 9/13/2011  
Date Completed 9/14/2011

API Number 43-013-31451

Location	Rig Charges	Water and Chemicals	Equipment Purchase	Equipment Rental	Perforating	Acidizing	Fracture Stimulation	Logging Services	Supervision and Overhead	Other	SUPER
		768.01							0.00		administrative overhead
		3044.33									transportation and hauling
											hot oil
							0.00				acidizing & fracturing
				1164.96							equipment rentals
		288.49									completn fluids/water/chemical
		0.00									water disposal
					0.00						wireline/logging/perforating
	23971.23										completion rig
	0.00										rig mob & demob
											location prep, mndtn & mninc
									2760.97		labor, supervision
				0.00							downhole equipment rental
0.00	23971.23	4100.83	0.00	1164.96	0.00	0.00	0.00	0.00	2760.97	-	

TOTAL

31,997.99

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## STATE OF UTAH

FORM 15

## DEPARTMENT OF NATURAL RESOURCES

AMENDED REPORT ☐

## DIVISION OF OIL, GAS AND MINING

Original Filing Date: 12/2/2011

## DESIGNATION OF WORKOVER OR RECOMPLETION

1. Name of Operator NEWFIELD PRODUCTION COMPANY				2. Utah Account Number 82695.1		5. Well Name and Number MONUMENT FED 33-1	
3. Address of Operator 1001 17th Street, Suite 2000		City Denver	State CO	Zip 80202	4. Phone Number 303 382-4443		6. API Number 4301331451
9. Location of Well Footage: 1970 FSL 2031 FEL County: DUCHESNE QQ, Sec, Twp, Rnge: NWSE 11 090S 160E State: UTAH						7. Field Name MONUMENT BUTTE	
						8. Field Code Number 105	

## COMPLETE ALL SECTIONS. ATTACH ADDITIONAL SHEETS IF NEEDED.

10. TYPE OF WORK (Check all that apply)		11. WORK PERIOD	
<input type="checkbox"/> Production enhancement	<input type="checkbox"/> Recompletion	Date work commenced	9/13/2011 79 Days From
<input checked="" type="checkbox"/> Convert to injection	<input type="checkbox"/> Repair well	Date work completed	9/14/2011 Completion

12. THE FOLLOWING EXPENSES FOR OPERATIONS ARE SUBMITTED FOR DESIGNATION AS WORKOVER OR RECOMPLETION EXPENSES:

	Expenses	Approved By State
a. Location preparation and cleanup	0.00	0.00
b. Move-in, rig-up, and rig-down (including trucking)	0.00	0.00
c. Rig charges (including fuel)	23971.23	23971.23
d. Drill pipe or other working string	0.00	0.00
e. Water and chemicals for circulating fluid (including water hauling)	4100.83	4100.83
f. Equipment purchase	0.00	0.00
g. Equipment rental	1164.96	1164.96
h. Cementing	0.00	0.00
i. Perforating	0.00	0.00
j. Acidizing	0.00	0.00
k. Fracture stimulation	0.00	0.00
l. Logging services	0.00	0.00
m. Supervision and overhead	2760.97	2760.97
n. Other (Itemize)	0.00	0.00
	0.00	0.00
	0.00	0.00
	0.00	0.00
	0.00	0.00
o. Total submitted expenses	31997.99	
p. Total approved expenses (State use only)		31997.99

13. LIST CONTRACTORS PROVIDING SERVICES VALUED AT MORE THAN \$3,000.		
Contractor	Location (City, State)	Services Provided
Zubiate Hot Oil	Roosevelt UT	Hot Oiling Services
Weatherford-US LO	Houston TX	Equipment Rental
Newfield Drilling Services Inc	Roosevelt UT	Completion Rig

14. LIST WORKING INTEREST OWNERS WHO TAKE PRODUCT IN KIND AND ARE AUTHORIZED TO SHARE IN THE TAX CREDIT.			
Name	Address	Utah Account No.	Percent of Interest

I hereby certify that this report is true and complete to the best of my knowledge.

NAME (PLEASE PRINT)	Abby Logerman	TITLE	Accounting Technician	PHONE	303 383-4116
SIGNATURE	Abby Logerman	DATE	December 2, 2011	E-MAIL	alogerman@newfield.co

RECEIVED

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU-096550

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
GMBU (GRRV)

1. TYPE OF WELL  
Water Injection Well

8. WELL NAME and NUMBER:  
MONUMENT FED 33-11J

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
43013314510000

3. ADDRESS OF OPERATOR:  
Rt 3 Box 3630, Myton, UT, 84052

PHONE NUMBER:  
435 646-4825 Ext

9. FIELD and POOL or WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL  
FOOTAGES AT SURFACE:  
1970 FSL 2031 FEL  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
Qtr/Qtr: NWSE Section: 11 Township: 09.0S Range: 16.0E Meridian: S

COUNTY:  
DUCHESNE

STATE:  
UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT  
Approximate date work will start:  
1/25/2012

☐ SUBSEQUENT REPORT  
Date of Work Completion:

☐ SPUD REPORT  
Date of Spud:

☐ DRILLING REPORT  
Report Date:

☐ ACIDIZE  
☐ CHANGE TO PREVIOUS PLANS  
☐ CHANGE WELL STATUS  
☐ DEEPEN  
☐ OPERATOR CHANGE  
☐ PRODUCTION START OR RESUME  
☐ REPERFORATE CURRENT FORMATION  
☐ TUBING REPAIR  
☐ WATER SHUTOFF  
☐ WILDCAT WELL DETERMINATION

☐ ALTER CASING  
☐ CHANGE TUBING  
☐ COMMINGLE PRODUCING FORMATIONS  
☐ FRACTURE TREAT  
☐ PLUG AND ABANDON  
☐ RECLAMATION OF WELL SITE  
☐ SIDETRACK TO REPAIR WELL  
☐ VENT OR FLARE  
☐ SI TA STATUS EXTENSION  
☒ OTHER

☐ CASING REPAIR  
☐ CHANGE WELL NAME  
☐ CONVERT WELL TYPE  
☐ NEW CONSTRUCTION  
☐ PLUG BACK  
☐ RECOMPLETE DIFFERENT FORMATION  
☐ TEMPORARY ABANDON  
☐ WATER DISPOSAL  
☐ APD EXTENSION  
OTHER: Put on Injection

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 12:30 PM on  
01/25/2012.

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: February 07, 2012

By: 

NAME (PLEASE PRINT)  
Lucy Chavez-Naupoto

PHONE NUMBER  
435 646-4874

TITLE  
Water Services Technician

SIGNATURE  
N/A

DATE  
1/25/2012



# Balcron Mon Fed 33-11J-9-16

Spud Date: 6/16/1994  
Put on Production: 7/25/1994  
GL: 5608' KB: 5618'

Initial Production: 51.6 BOPD,  
31.5 MCFD, 8.4 BWPD

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 6 jts. (266.45')  
DEPTH LANDED: 276.45'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 165 sxs Class "G" cmt, est 5 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 135 jts. (5780.91')  
DEPTH LANDED: 5791.51' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 240 sxs Super "G" & 243 sxs 50/50 POZ.  
CEMENT TOP AT: 2090' per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 128 jts (4138.5')  
CE @ 4148.5'  
NO. OF JOINTS: 20 jts (641.6')  
XO 2 7/8" x 2 3/8" x-over @ 4798.8'  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4799.3' KB  
XO 2 7/8" x 2 3/8" x-over @ 4800.4'  
STINGER @ 4801.0'  
CE @ 4801.3'  
TOTAL STRING LENGTH: EOT @ 4806'

### FRAC JOB

7/06/94 5191'-5208' **Frac A3 zone as follows:** 36,800# 16/30 sand in 380 bbls Viking I-35 fluid. Treated @ avg press of 1900 psi w/avg rate of 30 BPM. ISIP 1800 psi. Calc. flush: 5191 gal. Actual flush: 5166 gal.

7/11/94 4861'-4883' **Frac C-sd zone as follows:** 53,640# 16/30 sand in 469 bbls Viking I-35 fluid. Treated @ avg press of 2500 psi w/avg rate of 30.4 BPM. ISIP 2000 psi. Calc. flush: 4861 gal. Actual flush: 4830 gal.

7/9/03 5590'-5652' **Frac CP1/CP2 sands as follows:** 59,124# 20/40 sand in 471 bbls Viking I-25 fluid. Treated @ avg press of 2896 psi w/avg rate of 14 BPM. ISIP 1840 psi. Calc. flush: 1427 gal. Actual flush: 1302 gal.

7/9/03 4213'-4239' **Frac GB6 sands as follows:** 60,810# 20/40 sand in 462 bbls Viking I-25 fluid. Treated @ avg press of 1567 psi w/avg rate of 24 BPM. ISIP 1930 psi. Calc. flush: 4211 gal. Actual flush: 4116 gal.

3/27/09 **Parted rods.** Updated r & t details.

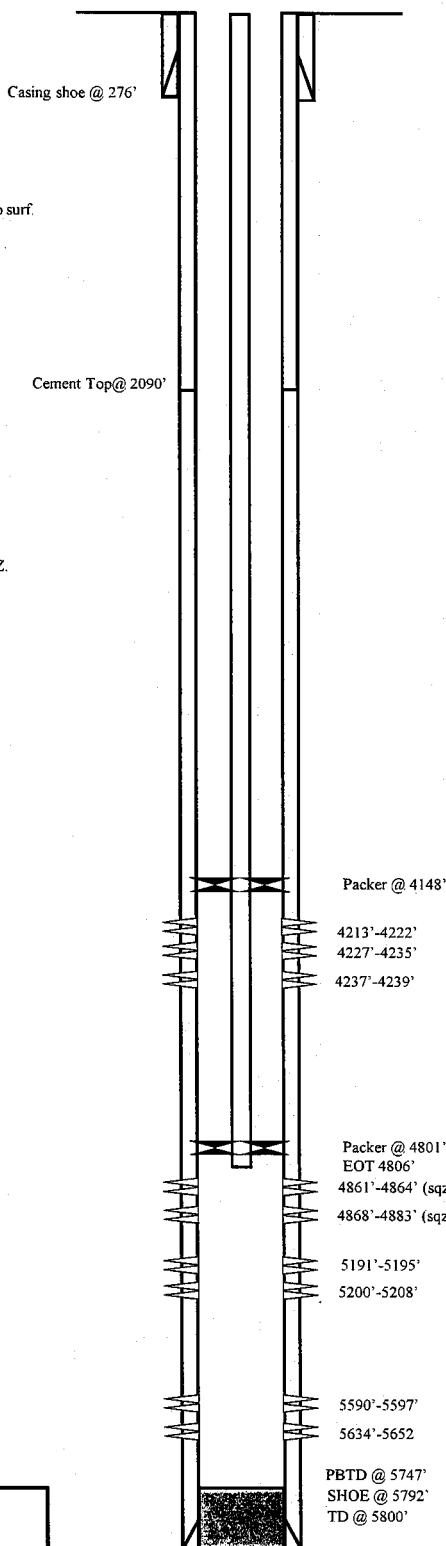
5/3/2010 **Pump changed.** Updated rod and tubing detail.

09/14/11 **Convert to Injection well**

09/19/11 **Conversion MIT Finalized** -- update tbq detail

### PERFORATION RECORD

Date	Interval	Tool	Holes
7/8/03	4213'-4222'	4 JSPF	36 holes
7/8/03	4227'-4235'	4 JSPF	32 holes
7/8/03	4237'-4239'	4 JSPF	8 holes
7/8/03	5590'-5597'	4 JSPF	28 holes
7/8/03	5634'-5652'	4 JSPF	72 holes
6/30/94	5200'-5208'	4 JSPF	32 holes
6/30/94	5191'-5195'	4 JSPF	16 holes
7/08/94	4868'-4883'	4 JSPF	60 holes
7/08/94	4861'-4864'	4 JSPF	12 holes



## NEWFIELD

Balcron Mon Fed 33-11J-9-16

1970' FSL & 2031' FEL

NW/SE Section 11-T9S-R16E

Duchesne Co, Utah

API #43-013-31451; Lease #UTU-096550



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-371

**Operator:** Newfield Production Company  
**Well:** Monument Federal 33-11J  
**Location:** Section 11, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-31451  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on February 28, 2011.
2. Maximum Allowable Injection Pressure: 1,766 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4,700' – 5,747')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

  
John Rogers  
Associate Director

12/22/2011  
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Eric Sundberg, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC\Newfield



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-096550
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> MONUMENT FED 33-11J
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1970 FSL 2031 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 11 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013314510000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/11/2016	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="5 YR MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  On 08/08/2016 Amy Doebele with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 08/11/2016 the casing was pressured up to 1150 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1725 psig during the test. There was a State representative available to witness the test - Amy Doebele.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> August 31, 2016		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/15/2016	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721Witness: Amy Daebale Date 8/11/16 Time 8:23 (am) pmTest Conducted by: Kim GilesOthers Present: Jeremy Price

5 yr.

Well: Monument Fed. 33-115-9-16Field: Monument ButteWell Location: NW/SE Sec. 11, T4S, R16E  
Duchesne County, UtahAPI No: 43-013-31451

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1160</u>	psig
5	<u>1160</u>	psig
10	<u>1150</u>	psig
15	<u>1150</u>	psig
20		psig
25		psig
30 min		psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1725 psigResult: Pass Fail

Signature of Witness:

Amy Daebale

Signature of Person Conducting Test:

Kim Giles

Sundry Number: 73717 API Well Number: 43013314510000

